

# Review Report

on the

Performance of the College for the Academic Year 2023-24

Vidyalankar Institute of Technology

Vidyalankar College Marg, Wadala(E), Mumbai

**(Autonomous College Affiliated to the University of Mumbai)**

NAAC Accredited with A+ Grade (CGPA:3.41)



Dr. Sangeeta Joshi  
Principal, Vidyalankar  
Institute of Technology,  
Mumbai.



Dr. Bhavesh Patel  
Principal, Shah and Anchor Kutchhi  
Engineering College, Mumbai.  
**External Expert**



Dr. Sudhakar Mande  
Principal, Don Bosco Institute of  
Technology, Mumbai  
**External Expert**



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Principal

## INTRODUCTION AND BACKGROUND OF THE INSTITUTION

'**Vidyalankar**' is a Sanskrit word which reveres 'Vidya' as a precious 'Alankar'; the essence being that knowledge is the true ornament of a progressive mind. Established in 1960, the Vidyalankar Group is committed to spreading the radiance of knowledge far and wide. The seeds of Vidyalankar were sown by Late Prof. Chandrashekhar S. Deshpande, a technocrat and visionary blessed with extraordinary academic acumen, engineering skills, and a great passion for education.

Established in the year 1999, **Vidyalankar Institute of Technology (VIT)** is an Autonomous private, self-financed Engineering and Management Institute approved by All India Council for Technical Education (AICTE), New Delhi, Directorate of Technical Education (DTE), Government of Maharashtra and is affiliated to the University of Mumbai. The Institute received autonomous status for a period of ten (10) years from the A.Y. 2022-2023 to A.Y. 2031-2032 from UGC (vide letter No. F 22-1/2022(AC) dated March 15, 2022) and University of Mumbai (vide letter No. Aff./ICD/22-23/507 dated June 20, 2022).

The Institute **currently runs five Undergraduate Programs in Engineering, two Postgraduate Programs in Engineering, a Postgraduate program in Management Studies, and two Doctoral Programs in Technology-Computer Engineering and Electronics and Telecommunication.**

Centrally located in the heart of Mumbai, the Institute, with its state-of-the-art infrastructure and qualified and experienced faculty, attracts meritorious students. VIT aims to create industry-ready professionals and entrepreneurs by infusing the right blend of technological expertise and professional acumen and sensitizes them towards contributing to society.

VIT aims to facilitate a holistic environment to enable learners to reach their optimum potential from the perspective of applying the learnings with an innovative mindset. To aid this education process, the implementation of the concept of aiming for 'student delight' has rewarded the Institute.

A well-planned curriculum, integrated with ICT enabled teaching-learning processes, encourages innovative thinking, problem-solving capabilities, and research orientation among the learners. Adequate emphasis is given for co-curricular, and extra-curricular activities, by facilitating a plethora of opportunities to enrich one's personality, thereby nurturing a progressive learner-centric environment.

The Institute is proactive in establishing various platforms for research, innovation, and extension activities. Some of the significant steps taken till date towards promotion of research culture is the establishment of Research and Development Committee, Incubation Centre, Entrepreneurship Cell, Innovation Lounge, and Ph.D. Programs in Computer Engineering and Electronics & Telecommunication Engineering.

1. Type of Institution/College (Govt./Private/Aided etc.)	Private, Unaided
10. Whether College is Self-Financed	Yes

**Institute Summary:**

1.	Name & Address of College	Vidyalankar Institute of Technology, Vidyalankar College Marg, Wadala (East), Mumbai-400 037
2.	Name of the Principal	Dr. Sunil A. Patekar
3.	Contact Details	<b>Phone:</b> 022- 24161140 Extn: 9004 <b>Email:</b> principal@vit.edu.in <b>Website:</b> www.vit.edu.in
4.	Affiliating University	University of Mumbai, Mahatma Gandhi Road, Vidya Nagar, Kala Ghoda, Fort, Mumbai - 400 032, Maharashtra
5.	Included in Section 2 (f)/12(B)	Yes
6.	Year of Establishment of College	1999
7.	NAAC Accreditation	Yes Period of Validity up to December 31, 2027 Grade: <b>A+</b> CGPA: <b>3.41</b>
8.	NBA Accreditation	Yes Courses Accredited: The following Undergraduate (UG) Programs are accredited: i. Information Technology ii. Computer Engineering iii. Electronics Engineering* iv. Electronics and Telecommunication Engineering v. Biomedical Engineering (Period of Validity: Up to June 30, 2025) *From AY 2022-23 the program name 'Electronics Engineering is changed to Electronics and Computer Science.
9.	Type of Institution/College (Govt./Private/Aided etc.)	Private, Unaided
10.	Whether College is Self-Financed	Yes

**Courses & Intake for Academic Year 2023-24:**

Sr. No.	Course	Intake-AY 2023-24
<b>Undergraduate Courses (B.E.)</b>		
1.	Information Technology (INFT)	180
2.	Computer Engineering (CMPN)	180
3.	Electronics and Computer Engineering (EXCS)*	120
4.	Electronics & Telecommunication Engineering (EXTC)	120
5.	Biomedical Engineering (BIOM)	60
<b>Post Graduate Courses (M.E.)</b>		
6.	Computer Engineering	12
7.	Electronics & Telecommunication Engineering	12
<b>Post Graduate Course (M.M.S.)</b>		
8.	Master of Management Studies	120
<b>Doctoral Course (Ph.D.)</b>		
9.	Ph.D. in Technology (Computer Engineering)	20
10.	Ph.D. in Technology (Electronics & Telecommunication Engineering)	10

\*From AY 2022-23 the program name 'Electronics Engineering' has been changed to 'Electronics and Computer Science.'

## 1. CURRICULUM DESIGN & DEVELOPMENT

The curriculum at our institute is meticulously designed to cater to the technical developmental needs at local and global levels. This relevance is reflected in the Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) of all our offered programmes. The Institute is committed to impart quality education to our students and build competent professionals. So, while developing the curricula, the Institute has followed NEP 4.0 guidelines. To cope up with the current trends and technical developments and to update the learners, the developed curricula is focusing on various upcoming areas such as Machine Learning, Artificial Intelligence, Big data, Data Analytics etc. To meet the local and global challenges and to enhance the technical competency of the students, the curricula has introduced some minor tracks as well like Intelligent Game Development, Data Forecasting, Smart City-Design & Development etc. The courses are introduced like Social Service Internship, Technical business writing, Project work etc. which are reflected in Program Outcomes PO7 to PO11. These courses ensure that our graduates emerge as well-rounded professionals capable of making meaningful contributions to society at large. Minor/honour tracks are introduced like Embedded systems and IOT, Communication systems, VLSI to cater the cutting-edge technologies.

Institute has integrated cross-cutting issues and value framework of NEP-2020 into curriculum so that the students are motivated to imbibe sense of social responsibility in addition to the domain knowledge. Professional Ethics and Human Values: To promote ethical decision-making, integrity, accountability, and responsible behaviour, the courses related to Communication, Professional Skills, and Ethics are included in curriculum. These courses emphasize technical communication and writing skills, value education, importance of ethical behavior and social responsibility. Additional activities on corporate etiquette and public speaking are also conducted. Gender: Gender-related issues are addressed in courses like Entrepreneurship Management. Modules on Gender bias and Human rights including, sexual and reproductive rights, rights to equality and non-discrimination, women entrepreneurship, values, and gender socialization are discussed in these courses. Institute organized activity on Gender Sensitization. Environment and Sustainability: "Environmental management" course covers the topics on ecosystem, food chain and environment related legislations whereas "Waste management – Process, concept and working" course covers key elements of the waste management system, such as its technical, environmental, social, financial, and institutional aspects. Our students are empowered to become lifelong learners, critical thinkers, and agents of positive change, in line with policy's vision and can tackle complex challenges of world.

As Institute has adopted progressive autonomy it caters three types of curriculums

- University Curriculum(R2019) for Third and Final year BE programs
- Autonomy R2022 for Second year BTech Program
- Autonomy R2023 (NEP2020) for First year BTech Program

The first batch of Autonomy students was admitted in the A.Y. 2022-23.

The following reforms were introduced by the Institute in autonomy:

- The NEP curriculum and evaluation methodology: The curriculum and evaluation methodology as approved by each Programme Board of Studies and Academic Council were successfully implemented.
- "My Timetable" feature: Student have been given opportunity to prepare their own timetable by selecting the suitable time slot of their choice and selecting the subject teacher of their choice. Normally, Institute provides the choice of 2-3 Teachers per subject.
- Pace of Learning: Institute also offers substantial academic flexibility by allowing students to take the courses they want and finish them at their own pace. Although each 4-year UG degree programme has a defined set of recommended courses for each semester based on the knowledge map, all courses offered by the institute, irrespective of the programme, will be open to students for registration. Students may enrol in the courses they

want to take as long as they meet the prerequisite requirements for those courses. This enables students to enrol in courses at their own pace as faculty may offer courses in both the semesters.

- **Advanced Learning:** Students have been given the opportunity to complete the Higher semester courses well in advance along with lower semester courses. This will facilitate them to get more time in higher semesters to get engaged in developing projects and internships.
- **Faculty from Industry and Institutes of National and International Repute:** One Course in every department is engaged by faculty from organizations of national and international repute.
- **Internship with other Institutes (Credit Transfer):** Internship with other reputed institutes equivalent to 4 credits is done by learner during second year inter semester break (i.e. summer break between semester 4 and semester 5). The following table shows the statics of the courses offered by various institute.

Sr. No	Name of the other Institute	Name of the course	No. of student enrolled
1	IIM	Financial and Business Management	161
2	IIT Bombay	Hands-on Lab Course on Digital Systems	60
3	IIT Bombay	Hands-on Lab Course on Microprocessors	61
4	CSRE, IIT Bombay	Satellite Processing	60
5	CDAC, Juhu	Data Analytics	137
6	CDAC, Juhu	Web Development	141
7	NISM	Wealth Creation	39
8	ST XAVIERS	Public Speaking	29

The Institute has a well-planned, documented, and structured six step mechanism. Academic teaching-learning processes are planned in consultation with Cluster Mentors and documented in the Academic Administration Plan (AAP). This is ensured in the Academic Preview Process at the beginning of the semester. Dissemination of AAP and effective content delivery is checked through Academic Review Process at the end of each semester. Curriculum enrichment is achieved through Beyond Syllabus Activities and Value-Added Courses for imparting transferable and life skills. These courses are designed based on recent developments and the feedback received from the stakeholders. The focus is on enhancing technical knowledge and soft skills development. The Institute has various committees in place which conduct a plethora of activities which contribute to sensitizing students to cross-cutting issues like gender, environmental sustainability, universal human values and professional ethics for development of creative and divergent competencies.

The Board of Studies of each Department finalizes curriculum which includes the following features.

- Academic flexibility and diversity
- Aspects on career orientation
- Multi-skill development
- Involvement of stake holders

The Curriculum approved by the Academic Council and ratified by the Governing Body is then implemented.

## Curriculum planning and implementation process:

**A. Curriculum Design:** Designing the curriculum shall focus on the following skillsets which are necessary for holistic development and industry readiness of the students.

Core Knowledge and Practice	Cognition, Mental and Thinking	Professional and Interpersonal	Business and Management
<ul style="list-style-type: none"> <li>• Disciplinary fundamentals</li> <li>• Multidisciplinary knowledge</li> <li>• Practical experience</li> <li>• ICT skills</li> </ul>	<ul style="list-style-type: none"> <li>• Lifelong learning</li> <li>• Problem solving</li> <li>• Decision making</li> <li>• Creativity &amp; Innovation</li> <li>• Design</li> </ul>	<ul style="list-style-type: none"> <li>• Professionalism</li> <li>• Ethics and Responsibility</li> <li>• Communications</li> <li>• Teamwork</li> </ul>	<ul style="list-style-type: none"> <li>• Time Management</li> <li>• Leadership</li> <li>• Resource Management</li> </ul>

**Step I:** Stakeholder's feedback on curriculum review and design.

List of stakeholders:

- Faculty Members
- Students
- Employers
- Alumni

**Step II:** Analysis of stakeholder's feedback on curriculum and design of curriculum

- Process owners –Departments, Alumni Committee, Placement Cell and Parent Interaction Committee

**Step III:** Presentation of analysis to IQAC and takeaways

**Step IV:** Preparation of draft of curriculum based on IQAC guidelines by BoS.

- Process owners – BoS of each Department.

These courses are designed based on the recent developments and the feedback received from the stakeholders and suggestions from IQAC. Courses are designed to provide outcome-based education through fully flexible credit system. The focus is on providing technical knowledge, soft skills development, transferable and life skills. Courses are introduced to sensitizing students to cross-cutting issues like Gender, Environmental Sustainability, Human Values and Professional Ethics for development of creative and divergent competencies.

**Step V:** Approval by Academic Council and Implementation.

## B. Curriculum Planning

The strengthening of curriculum and a well-structured curriculum delivery shall be achieved through the following steps:

### 1. Planning:

#### Stage-1: Academic Calendar and Subject Allotment

The Institute prepares its Academic Calendar in alignment with the University's calendar. Subject allocation is done based on their expertise and experience of the associated faculty.

#### Stage-2: Preparation of draft Academic Administration Plan (AAP)

Every subject teacher prepares the draft AAP based on the AAP of the earlier years. AAP includes course objectives & outcomes, real life application mapping, academic resources, allied MOOC/Value Added Courses (VAC), lesson plan, assignments, tutorial/practical plan including Problem Based Learning (PBL), evaluation scheme for grading.

### **Stage -3: Interactive Cluster Meetings for identifying gaps and strengthening of AAP**

Courses of similar domain are brought under one Cluster. Currently, the Institute has 50 such Clusters. Each Cluster has respective course teachers with the associated expertise and specialisation, one internal and two external mentors (Academic & Industry). Gaps in the curriculum are identified through structured feedback on revision of syllabus from the stakeholders and inputs are received from Departmental Advisory Board (DAB) and Cluster Mentors and accordingly Beyond Syllabus Activities (BSAs) are planned to strengthen AAPs.

### **Stage-4: Academic Preview Process (APP)**

While emphasizing on the significance of meticulous academic planning, constructive feedback and continuous improvement, APP is conducted at the beginning of each semester as an IQAC initiative. A panel comprising Departmental Academic Officer (DAO) and Head of the Department (HOD) verifies and validates the academic preparedness (including University examination paper solution, Assignments, Internal Assessment (IA) question papers and its Audit report) as per the standard Preview format and suggestions are given, if required.

2. **Dissemination of AAP:** The finalized AAP is uploaded on the Institute's internal portal (vRefer and vLive) and is also discussed during the first lecture.

### **C. Curriculum Delivery:**

To ensure that every student plays an active role in the learning process, curriculum delivery is made more effective through the following modes:

- **Conventional Methods:** Lectures/Lab Session/Tutorials are in place.
- **Student Centric learning Methods:** Experiential (IVs, Internships, Workshops), Participative/Collaborative (Group Projects, Role Plays, debates, GDs, Presentations) and Problem Based Learning (PBL Experiments, Case Studies, Assignments) are in practice.
- **Beyond Syllabus Activities (BSA):** BSAs such as industrial visits, internships, workshops, mini projects, student debates, group discussions, seminars, role plays, value added courses, certificate courses, use of new tools /simulators, MOOC (NPTEL etc.) are also conducted.

- D. Monitoring implementation of Curriculum delivery:** CQO regularly and closely monitors the delivery of the content of the courses and gives feedback to the Faculty for further improvisation.

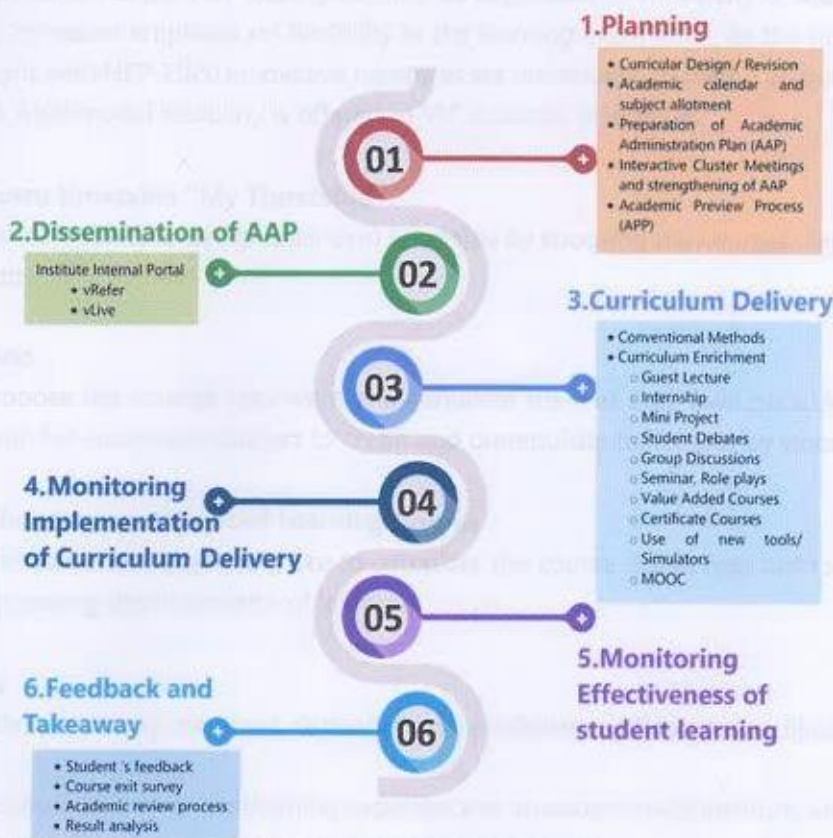
- E. Monitoring effectiveness of student learning:** The assessment of Students Performance is done through Continuous Internal Evaluation (CIE) consists of -

- Formative (In Semester Assessment and Mid Semester Evaluation)
- Summative (End Semester Evaluation) assessment methods.
- Faculty may propose his/her own assessment methodology for the course. However, the revised assessment methodology shall be approved by a panel constituted at institute level and published to the learners before the commencement of the semester.

Advanced learners and slow learners are identified, and necessary actions are initiated.

### **F. Feedback and Takeaway**

- **Students' feedback** is taken on various prescribed parameters in the week 4 and 8 and corrective measures are taken.
- **Course Exit Survey** is carried out to understand the course efficacy.
- **Academic Review Process (ARP)** is carried out in the semester end to verify AAP implementation and feedback is communicated.
- **Result Analysis** is carried out to study the students' performance to initiate the corrective measures, if any.



### Academic Process

In view of the Autonomous Status conferred on Vidyalankar Institute of Technology since AY 2022-23 and implementation of curriculum as per NEP 2020 guidelines as suggested by University of Mumbai and Government of Maharashtra, there is increased emphasis on flexibility in the learning experience. As the priority and thrust of VIT is learner-centricity, in sync with NEP-2020 innovative measures are undertaken to offer a unique and distinctively flexible learning environment. Multimodal flexibility is offered to VIT students in terms of:

**Making their own timetable "My Timetable"**

Students have the flexibility to design their own timetable by choosing the courses, day, preferred time slot, and course instructor.

**Course Selection**

Students can choose the courses they want and complete them at their own pace. All courses offered by the Institute are open for enrolment (subject to credit and prerequisite fulfilment) by students of any program.

**Flexibility in choosing an Advanced Learning Course**

Students can choose when they would like to complete the course. Some may opt to complete more courses, and work on increasing depth/breadth of learning.

**Faculty Choice**

Students can choose faculty members depending on availability of time slot, subject expertise, and mode of learning.

Academic flexibility is pivotal to the learning experience at an autonomous institute, and it encourages students to choose interdisciplinary courses as per their needs and interest.

**Evaluation Methodology:**

Program Structure specify the assessment/evaluation guidelines for the courses of different credits. Notwithstanding the above, each course faculty have the choice to decide her/his assessment methodology based on the nature of the course. Faculty may propose the revised assessment methodology for his/her course. However, the revised assessment methodology shall be approved by a panel constituted at institute level and published to the learners before the commencement of the course.

## 2. STUDENT PROGRESSION

The Department of First Year Engineering had organized a 4 day Induction Program from 17 August 2022 to 22 August 2023 for the batch of 2023-24 as prescribed by AICTE. The main objective of the Program was to make the new students feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, to help them build bonds with other students and faculty members and expose them to a sense of larger purpose and self-exploration.

The program is comprised of various sessions to acclimatize new entrants to their new roles and environment. It enabled our First-Year students to learn about various institutional policies, practices, culture and values.

The wide range of activities, expert talks and workshops conducted during this Program are as under:

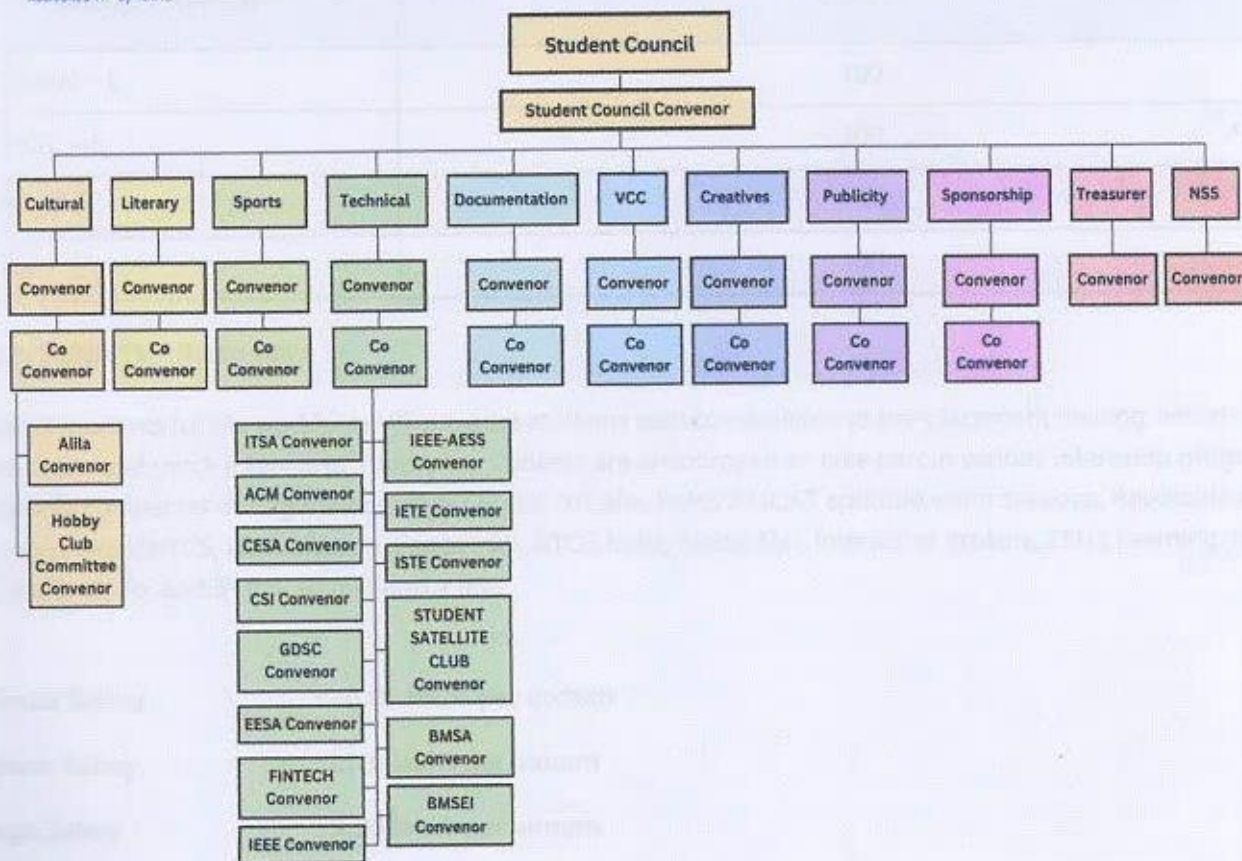
- 1) Talk by Professional Bodies & Student Chapters of VIT
- 2) Technical Talk by various departments
- 3) Fun Quiz & Games
- 4) Physical Fitness
- 5) Expert Talk by Departmental experts
- 6) Welcome Session by respective Class teachers.
- 7) Campus Tour
- 8) VIT Presentations by CR and DCRs
- 9) Orientation Session "Kshitij"
- 10) Talks by Alumni



### Student Council-

The student council, encompassing the cultural, technical, sports and literary council, plays a pivotal role in providing a well-rounded educational experience for students & overall development of students by fostering cultural understanding, technological literacy, physical fitness and literary skills. Students participate in student council activities and gain valuable leadership experiences, learn to collaborate effectively and develop a sense of responsibility. Thus, the student council serves as a catalyst in creating a vibrant, inclusive, and nurturing educational environment, preparing students for success in personal and professional lives.

### Student Council Organogram



In addition to this, Student Associations are established. Each department of VIT has its own student association namely ITSA, CESA, EESA, EESA, BMSA and MMSA. These student associations actively organize various technical workshops, invited talks, skills and knowledge enhancement programs, technical seminars etc. Our students are associated with professional bodies such as ACM, CSI, IEEE, ISTE, IETE, BMESI, and MMPSB through establishment of Student Chapters.

Our students represent as member of Department Advisory Board (DAB) of their parent department which is crucial for fostering student engagement, empowerment, and inclusivity. By involving students in decision-making processes, we ensure that the student voice is heard and considered.

## 2.1 RESULTS – June-2024 Examinations

Branch	Pass % Sem II	Pass % Sem IV	Pass % Sem- VI	Pass % Semester VIII
INFT	98.83	97.35	96.77	99.39
CMPN	96.30	94.67	96.32	100.00
EXCS/ ETRX	98.51	87.07	95.97	100.00
EXTC	96.32	86.67	93.33	100.00
BIOM	92.31	98.67	90.32	100.00

Branch – Semester	Pass %
ME CMPN – II	100
ME EXTC – II	100
MMS - II	100
MMS-IV	100

## 2.2 PLACEMENTS – Batch 2024

To prepare students for the workforce VIT provides students with comprehensive pre-placement training, which includes aptitude tests and mock interviews. Third-year students are encouraged to take part in various internship programmes at reputable companies during their semester break. VIT also holds AMCAT aptitude exam sessions. Reputable campus placements include TCS, L&T Infotech, Capgemini, ATOS India, Media.Net, Interactive Brokers, ZEUS Learning, Reliance Retail, Reliance Jio, and BYJUS, to mention a few.

**Maximum Salary** : 10.00 lakhs per annum

**Minimum Salary** : 2.16 lakhs per annum

**Average Salary** : 3.90 lakhs per annum

**Median Salary** : 3.50 lakhs per annum

### 2.3 INTERNSHIP

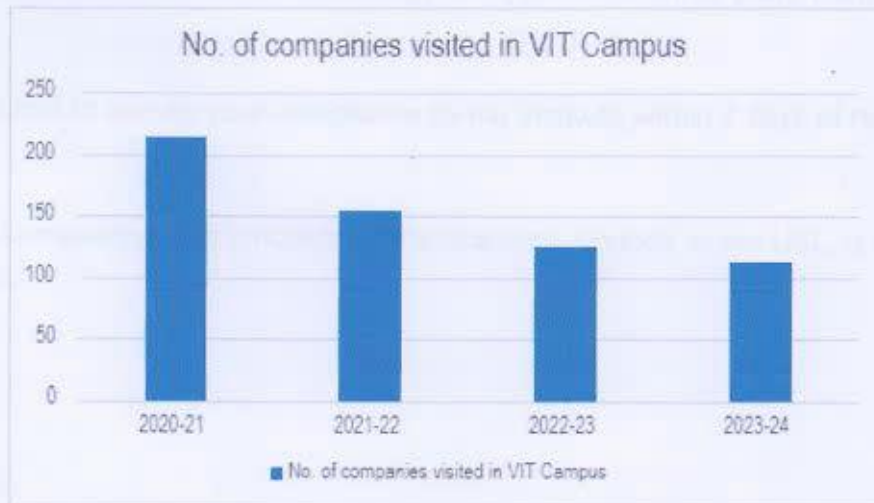
#### Summary for A.Y. 2023-24

Department	No. of students Undergone Internship
Information Technology	85
Computer Engineering	92
Electronics & Computer Science	63
Electronics & Tele-Communication Engineering	52
Biomedical Engineering	28
Master of Management Studies	120

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
1	Student Internship at Cliniker	Cliniker	Yash Mistry	1-Feb-22	31-Oct-22
2	Student Internship at NSIC-TSC Hyderabad	NSIC-TSC Hyderabad	Manish Thakare	21-Dec-22	4-Jan-23
3	Student Internship at University of Alberta	University of Alberta	Nikita Bhrugumarshi Emberi	7-Jun-22	29-Aug-22
4	Student Internship at Moryaa Infusion Solution Pvt. Ltd.	Moryaa Infusion Solution Pvt. Ltd.	Sanika Sharad Kate	4-Aug-22	10-Sep-22
5	Student Internship at Cross assyst infotech	Cross assyst infotech	Kadambari Patel	9-Aug-22	17-Sep-22
6	Student Internship at Navrang eCommerce Solutions	Navrang eCommerce Solutions	Vinaya Redeker	16-Aug-22	30-Sep-22
7	Student Internship at Capgemini	Capgemini	Kirti H Dhotre	5-Dec-22	30-Jan-23
8	Student Internship at SPACE - Scientific Platforms and Cosmic Explorations	SPACE - Scientific Platforms and Cosmic Explorations	Soham Sawant	1-Jul-22	13-Jul-22
9	Student Internship at Celebrare	Celebrare	Ajay Ajmera	17-Oct-22	1-May-23
10	Student Internship at Acmegrade	Acmegrade	Tanisha Gupta	9-Dec-22	9-Feb-23
11	Student Internship at DOTSYNDICATE	DOTSYNDICATE	Suyash Lade	16-Jan-23	16-Apr-23

**No. of Companies visited VIT for Campus Placements**

Sr. No.	Year	No. of companies visited
01	2020-21	214
02	2021-22	155
03	2022-23	125
04	2023-24	113



**Summary of Students Placed Branch – Wise**

Branch	Year			
	2020-21	2021-22	2022-23	2023-24
INFT	197	143	108	116
CMPN	200	145	106	96
ETRX	111	83	75	37
EXTC	142	79	77	66
BIOM	65	39	26	32
MMS	78	82	87	77

**Ref. No.:** VIT/Academic Council/2023/136

24 February 2023

To  
Mr. Raghuram  
Vice President  
Reliance, Jio

**Subject:** - Nomination on the Academic Council of Vidyalankar Institute of Technology.

Respected Sir,

As per the UGC Regulations for Autonomous Colleges, an Academic Council is constituted to ensure proper management of the academic activities of the Institute.

We are pleased to inform you that you have been nominated as a member of the Academic Council of Vidyalankar Institute of Technology for a period of three years from the date of nomination.

You are requested to convey your acceptance to the Institute within 7 days of receipt of this letter.

A copy of the composition and functions of the Academic Council, as per UGC, is attached for your reference.

Thank You.

Yours sincerely,

Principal

**Encl:** As above.

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
13	Student Internship at Giftana	Giftana	Yash Kadulkar	16-Dec-22	23-Dec-22
14	Student Internship at Digit	Digit	Aarya Bhutkar	2-Nov-22	5-Dec-22
15	Student Internship at Dopamine.fit	Dopamine.fit	Chaitanya Paranjpe	19-Jun-23	19-Aug-23
16	Student Internship at Acmegrade	Acmegrade	Tanisha Gupta	9-Dec-22	9-Jan-23
17	Student Internship at Let's grow more	Let's grow more	Kadambari Patel	1-May-23	30-May-23
18	Student Internship at Nav eCommerce	Nav eCommerce	Vinaya Redekar	1-Jun-23	30-Jun-23
19	Student Internship at Team Everest	Team Everest	Tisha Chaurasiya	19-Jun-23	3-Jul-23
20	Student Internship at CodeKaroYaaro (CKY) Website : www.codekaroyaaro.com	CodeKaroYaaro (CKY) Website : www.codekaroyaaro.com	Saurabh Mhatre	26-Mar-23	26-Jun-23
21	Student Internship at Mtrench	Mtrench	Ronit Murpani	1-Jul-23	1-Sep-23
22	Student Internship at MIRA Advanced Engineering	MIRA Advanced Engineering	Sanat Girish Naik	29-Jun-23	29-Jul-23
23	Student Internship at Sunmeet General Trading LLC	Sunmeet General Trading LLC	Kushal Jain	1-Mar-23	10-Jun-23
24	Student Internship at TCR Innovation	TCR Innovation	Arisha Rakhangi	15-Jun-23	31-Aug-23
25	Student Internship at Compounding Wealth Advisors LLP	Compounding Wealth Advisors LLP	Vedant Santosh Kajrekar	1-Jun-23	31-Jul-23
26	Student Internship at Miniorange	Miniorange	Arvind Nair	7-Jun-23	8-Jul-23
27	Student Internship at Rai Gurukul and HSBC	Rai Gurukul and HSBC	Tanishq Shah	1-Aug-23	15-Sep-23
28	Student Internship at LetsGrowMore(LGM)	LetsGrowMore(LGM)	Ayush Santosh Warang	1-Jul-23	31-Jul-23
29	Student Internship at LetsGrowMore	LetsGrowMore	Shreyas Gosavi	1-Jul-23	31-Jul-23
30	Student Internship at CodSoft	CodSoft	Kamlesh Kaparvena	15-Aug-23	15-Sep-23
31	Student Internship at Priro Systems Inc	Priro Systems Inc	Chinmay kadam	17-Jul-23	31-Oct-23
32	Student Internship at Learnx	Learnx	Rahul akula	20-Aug-23	27-Aug-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
33	Student Internship at Technohack eduTech	Technohack EduTech	Om Mahendra Sankhe	15-Jul-23	15-Aug-23
34	Student Internship at Trivia software	Trivia Software	Manasi Dayete	9-Dec-22	5-Feb-23
35	Student Internship at LetsGrowMore	LetsGrowMore	Piyush Worlikar	1-Jun-23	30-Jun-23
36	Student Internship at Sync interns	Sync Interns	Harsh Kesarwani	6-Apr-23	6-May-23
37	Student Internship at Mercor	Mercor	Mohd Hasnain Sayyed	24-Jun-23	28-Dec-23
38	Student Internship at LetsGrowMore	LetsGrowMore	Parnika Thamake	1-Jul-23	31-Jul-23
39	Student Internship at Let's Grow More	Let's Grow More	Aheesh Venugopal	1-Jul-23	31-Jul-23
40	Student Internship at Acmegrade	Acmegrade	Harshal Mane	12-Jul-23	12-Aug-23
41	Student Internship at CodeClause	CodeClause	Sakshi Shete	1-Apr-23	1-May-23
42	Student Internship at Daily Tech Suggest (DTS)	Daily Tech Suggest (DTS)	Saurabh Mhatre	24-May-23	24-Jul-23
43	Student Internship at Rai Gurukul and HSBC	Rai Gurukul and HSBC	Tanishq Shah	15-Aug-23	15-Sep-23
44	Student Internship at CodeClause	CodeClause	Sakshi Shete	1-Apr-23	30-Apr-23
45	Student Internship at A2S Innovate	A2S Innovate	Mohd Hasnain Sayyed	9-Jun-23	10-Jul-23
46	Research in domain Image Processing by Prof. Ravindra Sangale	Pacific University, Udaipur (2019)	Prof. Ravindra Sangale	1-Jul-21	30-Jun-22
47	Research in domain Deep learning by Prof. Suvarna Bhat	Ramrao Adik Institute of Technology, Mumbai	Prof. Suvarna Bhat	1-Jul-21	30-Jun-22
48	Research in Machine learning By Prof. Deepali Shrikhande	Pillai Institute of Technology, Mumbai	Prof. Deepali Shrikhande	1-Jul-21	30-Jun-22
49	Research in domain Network security by Prof. Vinita Bhandiwad	Terna College of Engineering	Prof. Vinita Bhandiwad	1-Jul-21	30-Jun-22
50	Research in Machine learning by Prof. Shruti Agarwal	Amity School of Engineering & Technology	Prof. Shruti Agarwal	1-Jul-21	30-Jun-22
51	Research By Prof. Rasika Ransing	Datta Meghe College of Engineering	Prof. Rasika Ransing	1-Jul-21	30-Jun-22

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
52	Business Analytics by Nandini Gore	KidsGalaxy	Nandini Gore	1-Jan-23	1-Feb-23
53	Data Science by Mayuresh Chavan	The Sparks Foundation	Mayuresh Chavan	1-Nov-22	1-Dec-22
54	Web Developer & Design by The Sparks Foundation by Vaishnavi Patil	The Sparks Foundation	Vaishnavi Patil	1-Dec-22	1-Jan-23
55	Web Developer Intern by Vaishnavi Patil	Let's Grow More	Vaishnavi Patil	1-Jan-23	1-Feb-23
56	Virtual Internship program in Web development by Aditya Oza	Let's Grow More	Aditya Oza	1-Oct-22	1-Nov-22
57	Virtual Internship program in Web development by Aditya Mali	Lets Grow More	Aditya Mali	1-Nov-22	1-Dec-22
58	Cyber Security & digital Forensics Internship Program by Ashuraj Herode	Cyber Secured India	Ashuraj Herode	19-Nov-22	19-Feb-23
59	Content Writing Intern by Ashuraj Herode	Kids Galaxy	Ashuraj Herode	19-Dec-22	19-Mar-23
60	Business & Research Intern by Vrushab Zaveri	Book A Tour	Vrushab Zaveri	1-Jan-22	1-Jun-22
61	Web Development & Designing by Pranav Redij	The Sparks Foundation	Pranav Redij	1-Nov-22	1-Dec-22
62	Web Developer Intern by Snehal Lohar	Let's Grow More	Snehal Lohar	1-Oct-22	1-Nov-22
63	Graduate Internship Program by Hrishikesh Shinde	The Sparks Foundation	Hrishikesh Shinde	1-Oct-22	1-Nov-22
64	Graduate Internship Program by Tanmay Gharat	The Sparks Foundation	Tanmay Gharat	1-Sep-22	1-Oct-22
65	Graduate Internship Program by Mayank Lad	The Sparks Foundation	Mayank Lad	1-Oct-22	1-Nov-22
66	Data Science & business Analytics by Om Pravin Ghag	The Sparks Foundation	Om Pravin Ghag	1-Oct-22	1-Nov-22
67	Virtual Internship program in Web	Let's Grow More	Nikhil Adhare	1-Oct-22	1-Nov-22

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
	development by Nikhil Adhare				
68	Data Science by Vinay Bhojwani	YHills	Vinay Bhojwani	3-Dec-22	15-Jan-23
69	Virtual Internship program in Web development by Altamash Mohd Ayub Khan	Let's Grow More	Altamash Mohd Ayub Khan	1-Oct-22	1-Nov-22
70	Virtual Internship program in Web development by Chandan Patil	Let's Grow More	Chandan Patil	1-Oct-22	1-Nov-22
71	Software Developer by Mrunal Tamhane	Antenna	Mrunal Tamhane	1-Jul-22	1-Jan-23
72	Graduate Internship Program by sachin jadhav	The Sparks Foundation	Sachin Jadhav	1-Sep-22	1-Oct-22
73	Graduate Internship Program by Atharva Dhadke	The Sparks Foundation	Atharva Dhadke	1-Dec-22	1-Jan-23
74	Internship Program in Data Science by suyog Havare	Lets Grow More	Suyog Havare	1-Dec-22	1-Jan-23
75	Data Science Intern by suyog Havare	Oasis Infobyte	Suyog Havare	1-Jan-23	1-Feb-23
76	Graduate Internship Program by suyog Havare	Spark foundation	Suyog Havare	1-Dec-22	1-Jan-23
77	Web Developer Inter by Nilesh Lad	Kids Galaxy	Nilesh Lad	1-Jan-23	1-Feb-23
78	Product Development Intern by Ishaan apte	Credence Analytics	Ishaan Apte	2-Jan-23	30-Jun-23
79	Web Development intern by Reena Gupta	Sync Interns	Reena Gupta	20-Jan-23	20-Feb-23
80	Graduate Internship Program by Prathmesh Jain	The Sparks Foundation	Prathmesh Jain	1-Dec-22	1-Jan-23
81	Web Dvelopment Intern by Shreya Pednekar	Sync Interns	Shreya Pednekar	7-Feb-23	7-Mar-23
82	Artificial Intelligence Intern by Astha Tiwari	Sync Interns	Astha Tiwari	7-Feb-23	7-Mar-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
83	Graduate Internship Program by Astha Tiwari	The Sparks Foundation	Astha Tiwari	1-Jan-23	1-Feb-23
84	Virtual Internship program in Web development by Shreya Pednekar	Lets Grow More	Shreya Pednekar	1-Feb-23	1-Mar-23
85	Virtual Internship program in Web development by Reena Gupta	Lets Grow More	Reena Gupta	1-Feb-23	1-Mar-23
86	Graduate Internship Program by Sameep Patrakar	The Sparks Foundation	Sameep Patrakar	1-Jan-23	1-Feb-23
87	Full stack developer using MERN with Devops by Harshal Lokhande	Linux World Informatics Pvt Ltd	Harshal Lokhande	20-Jun-22	15-Sep-22
88	Research in domain Machine learning by Prof. Avinash Shrivastava	Sant Gadge Baba Amaravati University (2019)	Prof. Avinash Shrivastava	1-Jul-21	30-Jun-22
89	Research in domain Deep learning by Prof. Suvarna Bhat	Ramrao Adik Institute of Technology, Mumbai	Prof. Suvarna Bhat	1-Jul-21	30-Jun-22
90	Research in domain Data science by Prof. Suja Jayachandran	Ramrao Adik Institute of Technology, Mumbai	Prof. Suja Jayachandran	1-Jul-21	30-Jun-22
91	Research in domain Image processing & Machine learning by Prof. Divya Surve	Sardar Patel College of Engineering, Mumbai	Prof. Divya Surve	1-Jul-21	30-Jun-22
92	Research in domain Network Security by Prof. Sneha A	Ramrao Adik Institute of Technology, Mumbai	Prof. Sneha A	1-Jul-21	30-Jun-22
93	Research in domain Internet of things Prof. Amit Nerurkar	Thadomal Shahani Engineering College, Mumbai	Prof. Amit Nerurkar	1-Jul-21	30-Jun-22
94	Research in domain Deep Learning Prof. Prakash Parmar	Pacific University, Udaipur	Prof. Prakash Parmar	1-Jul-21	30-Jun-22
95	Research in domain Internet of things Prof. Amit Alhani	Thadomal Shahani Engineering College, Mumbai	Prof. Amit Alhani	1-Jul-21	30-Jun-22
96	Project guide for Ph.D Students	Pacific University, Udaipur	Dr. Umesh Kulkarni	1-Jul-22	30-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
97	internship at Naval Aircraft Yard (kochi)	Naval Aircraft Yard (kochi)	Anushka Rawat	10-Jul-23	25-Jul-23
98	AI model for consumption-based planning of bulk material	"Technical Functions (TEF) department, Bosch Limited	Soumya Ramkrishna	5-Jun-23	28 Jul 203
99	Testing consumer Technology Products including performing boundary values tests	Digit Pvt Ltd., Mumbai	Khooshi Tembhere	9-Nov-22	5-Dec-22
100	Testing consumer Technology Products including performing boundary values tests	Digit Pvt Ltd, Mumbai	Aditya Jogdand	2-Nov-22	5-Dec-22
101	Technical Content writer Intern	Java point , Noida	Soham Bagde	26-Jun-23	26-Aug-23
102	Marketing Intern	Live at campus	Krutika Jagtap	15-Jun-23	20-Aug-23
103	coding:development advance engineering virtual experience	Accenture, North America	Atharva Wadekar	5-Jan-23	31-Jan-23
104	Backened programming	Perceptron Software Lab pvt ltd, Mumbai	Anish Sujit Jadhav	10-Dec-22	31-Dec-22
105	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Reshmi Raja Sekaran	15-May-23	2-Jun-23
106	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Aaryan Prakash Sonawane	15-May-23	2-Jun-23
107	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Atharva Pranesh Aurangabadkar	15-May-23	2-Jun-23
108	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Jayesh Vilas Raut	15-May-23	2-Jun-23
109	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Uday Eshwaraprasad Amballa	15-May-23	2-Jun-23
110	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Kaustubh Milind Pimpalkhare	15-May-23	2-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
111	Telecom Transmission Technologies -Satellite Communication and OFC	BSNL	Atharva Pranesh Aurangabadkar	5-Jun-23	16-Jun-23
112	Data Science	Code clause	Prateek Rasalkar	1-Jun-23	1-Jul-23
113	web development	Intraniz	sakshi sandeep vichare	15-Jun-23	14-Aug-23
114	Data science & Machine learning using python	TCR INNOVATION	Mayank Chandrakant Patil	1-Apr-23	30-Jul-23
115	Cloud Computing	Acmegrade	Soham Karulkar	13-Jun-23	13-Aug-23
116	Electronics Appliances	Shavison Electronics Pvt.ltd	Prathmesh Hemant Gothankar	12-Jun-23	15-Jul-23
117	AI model for Consumption based planning of bulk material	Bosch Limited	Soumya Ramkrishna	5-Jun-23	28-Jul-23
118	Vocational / Industrial Traning in Telicom Transmission Technology	Bharat Sanchar Nigam Limited (BSNL)	Aaryan Sonawane	5-Jun-23	16-Jun-23
119	Web development	Maharashtra Rail Infrastructure Development Corporation Limited	Vishesh Sharma	19-Jun-23	24-Jul-23
120	Telecom Transmission Technologies	BSNL	Uday Amballa	5-Jun-23	16-Jun-23
121	IoT - enabled innovative project development - multidisciplinary approach	D. Y. PATIL (RAMRAO ADIK INSTITUTE OF TECHNOLOGY)	Sarvesh mahesh chavan	12-Jun-23	11-Jul-23
122	Android App Development	Verzeo	Anshika Sinha	1-Dec-22	31-Dec-22
123	Rpa automation	IEEE-VIT(The RPA Rookies)	Ritika Chandrakant Bobhate	10-Dec-22	11-Mar-22
124	RPA using Ulpath tool	IEEE-VIT	Shweta Behera	10-Dec-22	11-Mar-22
125	Internet of Things	Acmegrade	Snehal Sudhakar Chavan	9-Sep-22	9-Oct-22
126	Laptop Testing Intern	DIGIT(9.9 Group Private Limited company)	Aditya Jogdand	2-Nov-22	5-Dec-22
127	Mobile testing intern	Digit India	Khooshi Tembhurne	9-Nov-22	5-Dec-22

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
128	Study of Timer Based Circuits	Bhabha Atomic Research Centre (B.A.R.C.)	Kirti Singh	1-Jun-23	17-Jul-23
129	Data Science	Campalin	Mayur Natesh Rajkundal	5-Jun-23	30-Jul-23
130	Web Development	Coding Raja Technologies	Nidhi Sangle	1-Jun-23	30-Jun-23
131	Intern	Godrej Electricals & Electronics	Saily Dhiagude	20-Jun-23	19-Jul-23
132	Web Development	Maharashtra Rail Infrastructure Development Corporation Limited	Vishesh Sharma	19-Jun-23	24-Jul-23
133	Web Development	Letsgrowmore	Prathamesh Dhiraj Rajapurkar	1-Jul-23	31-Jul-23
134	Intern at centralized E & A Department	JSW steel Limited Dolvi	Sankalp Mhatre	24-Jun-23	24-Jul-23
135	Centralized E & A	JSW steel Limited Dolvi	Sankalp Mhatre	24-Jun-23	24-Jul-23
136	Web Development	Letsgrowmore	Prathamesh Dhiraj Rajapurkar	1-Jul-23	31-Jul-23
137	Internet of things	Acmegrade	Aditi Vijay padawe	9-Sep-22	9-Oct-22
138	Python	UniConvergence Technology	Rupesh Khanzode	15-Jun-23	30-Jul-23
139	Data Science	Campalin	Rupesh Khanzode	5-Jun-23	30-Jul-23
140	Power BI virtual Case Experience	PWC	Komal Deepak Tambe	5-Jun-23	30-Jun-23
141	Machine Learning with Python	Coincent	Ashish Vilas Gudhekar	25-Nov-22	25-Jan-22
142	Web Development Internship	CodeClause	Atharva Sudhir Wadekar	1-Jun-23	30-Jun-23
143	Embedded Systems Design with MicroPython	APPLIED DIGITAL MICROSYSTEMS PVT. LTD.	Harsh Purohit	15-Dec-22	30-Dec-22
144	DS & ML intern	UniConverge Technologies Pvt. Ltd	VEDANT DNYANESHWAR DAWARE	15-06-23	15-08-23
145	VLSI Design Training	Internshala	Tanaya Palav	31-May-23	30-Jun-23
146	Visi design training	Internshala	Arya A Mhatre	1-Jun-23	22-Aug-23
147	Corporate Development Specialist	Younity	Rupesh Khanzode	5-Jul-23	14-Jul-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
148	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Shruti Vijay Shinde	15-May-23	2-Jun-23
149	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Eshwari Ramesh Mundekar	15-May-23	2-Jun-23
150	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Vighnesh Tanaji Shelar	15-May-23	2-Jun-23
151	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Saloni Rupak Pande	15-May-23	2-Jun-23
152	Research, Prof sheetal Patil	Matoshri College of Engineering & Research Centre, Nashik	Prof sheetal Patil	1-Jul-21	30-Jun-22
153	Research in Image Processing By Prof. Rajashree Soman	Ramrao Adik Institute of Technology, Mumbai	Prof. Rajashree Soman	1-Jul-21	30-Jun-22
154	Project guide for Ph.D Students	Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSJET),	Dr. Sangeeta Joshi	1-Jul-22	30-Jun-23
156	Research in signal Processing By Prof.Uma Jaishankar	K. J. Somaiya College of Engineering and ATISP, ENET'COM, Sfax University, Tunisia	Prof.Uma Jaishankar	1-Jul-21	30-Jun-22
157	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Unnati Suresh Mahadik	15-May-23	2-Jun-23
158	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Sahil Kedar Datar	15-May-23	2-Jun-23
159	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Manas Kedar Phanse	15-May-23	2-Jun-23
160	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Anushka Roby Roy	15-May-23	2-Jun-23
161	Telecom transmission technologies-satellite	Bharat Sanchar Nigam Ltd (BSNL), Year Thane	Abhimanyu Surlia	15-May-23	2-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
	communication and OFC				
162	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Mrunmai Bharat Patil	15-May-23	2-Jun-23
163	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Akshaya Shrirang Sakhare	15-May-23	2-Jun-23
164	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Kapish Chetan Patel	15-May-23	2-Jun-23
165	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Srushti Prakash Patankar	15-May-23	2-Jun-23
166	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Aditi Prakash Bendke	15-May-23	2-Jun-23
167	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Prerana Dilip Patil	15-May-23	2-Jun-23
168	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Nidhi Prashant Warde	15-May-23	2-Jun-23
169	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Dhanashri Deepak Kumar Holani	15-May-23	2-Jun-23
170	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Raksha Jiwan Bhosale	15-May-23	2-Jun-23
171	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Sanskriti Shriniwas Jadhavar	15-May-23	2-Jun-23
172	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Akshat Samarbahadur Yadav	15-May-23	2-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
173	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Prasanna Suryaprakash Yelgonda	15-May-23	2-Jun-23
174	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Nitin Krishnachandra Yadav	15-May-23	2-Jun-23
175	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Ajinkya Narendra Pimpalkar	15-May-23	2-Jun-23
176	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Gaurav Arun Isame	15-May-23	2-Jun-23
177	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Prithvi Vinayak P	15-May-23	2-Jun-23
178	Telecom transmission technologies-satellite communication and OFC	Bharat Sanchar Nigam Ltd (BSNL), Yeur Thane	Shubham Sanjay Murudkar	15-May-23	2-Jun-23
179	Research on - Microinventers for Photovoltaic Cell (PV) system By	Indian Institute of Technology ,Bombay(IITB)	Prof. Hemant Jadhav	1-Jul-22	30-Jun-23
180	Research By Prof. Tejal Page	SVKM's Dwarkadas J. Sanghvi College of Eng	.Prof. Tejal Page	1-Jul-22	30-Jun-23
181	Research , Design & Analysis of Tunable Microwave Filter for Wireless communication By Prof. Dattatrey Bade	Rajiv Gandhi Institute of technooogy , Mumbai	Prof. Dattatrey Bade	1-Jul-22	30-Jun-23
182	Project guide for Ph.D Students	Veermata Jijabai Technological Institute, Mumbai	Dr. Varsh Turkar	1-Jul-22	30-Jun-23
183	Research , Security of IOT By Prof.Atul Oak	VJTI ,Mumbai	Prof. Atul Oak	1-Jul-22	30-Jun-23
184	Student Internship at Global Hospital	Global Hospital	Akanksha Solkar	6-Dec-22	6-Jan-23
185	Student Internship at Technovision India Pvt. Ltd.	Technovision India Pvt. Ltd.	Jay Sawant	8-Dec-22	7-Jan-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
186	Student Internship at Surya Hospital	Surya Hospital	Abhilasha Kurmi	8-Dec-22	7-Jan-23
187	Student Internship at Capgemini	Capgemini	Rutika Bhurke	5-Dec-22	30-Jan-23
188	Student Internship at Capgemini	Capgemini	Kasturi Dhuri	5-Dec-22	30-Jan-23
189	Student Internship at Capgemini	Capgemini	Poorva Patil	5-Dec-22	30-Jan-23
190	Student Internship at Capgemini	Capgemini	Rafna Kuniyil	5-Dec-22	30-Jan-23
191	Student Internship at Capgemini	Capgemini	Anushka Tuse	5-Dec-22	30-Jan-23
192	Student Internship at Capgemini	Capgemini	Varad Shirodkar	5-Dec-22	30-Jan-23
193	Student Internship at Global Hospital	Global Hospital	Manthan Dabhadkar	6-Dec-22	6-Jan-23
194	Student Internship at Global Hospital	Global Hospital	Harsh Purohit	6-Dec-22	6-Jan-23
195	Student Internship at Global Hospital	Global Hospital	Yahya Qureshi	6-Dec-22	6-Jan-23
196	Student Internship at Global Hospital	Global Hospital	Aarya Kadam	8-Dec-22	13-Jan-23
197	Student Internship at Global Hospital	Global Hospital	Srushti Patil	6-Dec-22	6-Jan-23
198	Student Internship at Global Hospital	Global Hospital	Rutvik Sarvade	6-Dec-22	6-Jan-23
199	Student Internship at ARVA Enterprises	ARVA Enterprises	Shrushti Shewale	6-Dec-22	6-Jan-23
200	Student Internship at S.L. Raheja Hospital	S.L. Raheja Hospital	Pratham Rajbhar	13-Dec-22	13-Jan-23
201	Student Internship at Pledge a smile	Pledge a smile	Arohi Mhatre	25-Jun-22	25-Jul-22
202	Student Internship at Terna Speciality Hospital	Terna Speciality Hospital	Hemlata Chaurasiya	14-Dec-22	14-Jan-23
203	Student Internship at L.H. Hiranandani Hospital	L.H. Hiranandani Hospital	Abhinay Karnale	5-Dec-22	5-Jan-23
204	Student Internship at Jupiter Hospital	Jupiter Hospital	Shrikant Deshmukh	6-Dec-22	6-Jan-23
205	Student Internship at S.L. Raheja Hospital	S.L. Raheja Hospital	Sneha Singh	6-Dec-22	6-Jan-23
206	Student Internship at Global Hospital	Global Hospital	Vineet Patil	6-Dec-22	6-Jan-23
207	Student Internship at Jupiter Hospital	Jupiter Hospital	Yadnyesha Rane	6-Dec-22	6-Jan-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
208	Student Internship at Nanvati Max Super Speciality Hospital	Nanvati Max Super Speciality Hospital	Suyash Ghanekar	6-Dec-22	5-Jan-23
209	Student Internship at L.H. Hiranandani Hospital	L.H. Hiranandani Hospital	Bhardwaj Nayak	5-Dec-22	5-Jan-23
210	Student Internship at Hosmac India Pvt. Ltd.	Hosmac India Pvt. Ltd.	Madhushree Thatte	6-Dec-22	6-Jan-23
211	Student Internship at Hosmac India Pvt. Ltd.	Hosmac India Pvt. Ltd.	Abhijit Gawai	6-Dec-22	6-Jan-23
212	Student Internship at Jaslok Hospital	Jaslok Hospital	Disha Patil	21-Dec-22	20-Jan-23
213	Student Internship at Jaslok Hospital and Research Center	Jaslok Hospital and Research Center	Abhinav Paniketky	1-Jun-23	30-Jun-23
214	Student Internship at Jaslok Hospital and Research Center	Jaslok Hospital and Research Center	Shruti Jha	1-Jun-23	30-Jun-23
215	Student Internship at Jaslok Hospital and Research Center	Jaslok Hospital and Research Center	Sania Ayare	1-Jun-23	30-Jun-23
216	Student Internship at KEM Hospital	KEM Hospital	Srushti Bhosale	5-Jun-23	5-Jul-23
217	Student Internship at KEM Hospital	KEM Hospital	Priya Bawane	5-Jun-23	5-Jul-23
218	Student Internship at KEM Hospital	KEM Hospital	Omkar Chiplunkar	5-Jun-23	5-Jul-23
219	Student Internship at Jupiter Hospital	Jupiter Hospital	Shritej Sakpal	5-Jun-23	5-Jul-23
220	Student Internship at Shri Guruji Rugnalaya	Shri Guruji Rugnalaya	Madhushree Thatte	12-Jun-23	12-Jul-23
221	Student Internship at Masina Hospital	Masina Hospital	Faheemuddin Khan	12-Jun-23	12-Jul-23
222	Student Internship at Nanavati Max Super Speciality Hospital	Nanavati Max Super Speciality Hospital	Ashwin Valvi	1-Jun-23	2-Jul-23
223	Student Internship at Kokilaben Dhirubhai Ambani Hospital	Kokilaben Dhirubhai Ambani Hospital	Pushpanjali Jha	1-Jun-23	14-Jul-23
224	Student Internship at S.L Raheja Hospital	S.L Raheja Hospital	Nishita Worlikar	6-Jun-23	10-Jul-23
225	Student Internship at S.L Raheja - Fortis	S.L Raheja - Fortis	Abhinav Awale	1-Jun-23	10-Jul-23
226	Student Internship at S.L Raheja Hospital	S.L Raheja Hospital	Akshay Sawant	6-Jun-23	10-Jul-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
227	Student Internship at S.L Raheja - Fortis	S.L Raheja - Fortis	Pratham Rajbhar	6-Jun-23	6-Jul-23
228	Student Internship at Global Hospital	Global Hospital	Khushbu Rathod	7-Jun-23	6-Jul-23
229	Student Internship at Global Hospital	Global Hospital	Saloni Lilakar	7-Jun-23	6-Jul-23
230	Student Internship at Jupiter Hospital	Jupiter Hospital	Vedashree Dhamankar	5-Jun-23	5-Jul-23
231	Student Internship at Global Hospital	Global Hospital	Raashi Jatakia	7-Jun-23	6-Jul-23
232	Student Internship at Global Hospital	Global Hospital	Sakshi Sankpal	1-Jun-23	30-Jun-23
233	Student Internship at Masina Hospital	Masina Hospital	Rasik Kedar	12-Jun-23	12-Jul-23
234	Student Internship at Fortis Hospital	Fortis Hospital	Sahii Aute	13-Jun-23	15-Jul-23
235	Student Internship at Masina Hospital	Masina Hospital	Omkar Jathar	12-Jun-23	12-Jul-23
236	Student Internship at S.L Raheja - Fortis	S.L Raheja - Fortis	Himakshi Prajapati	6-Jun-23	10-Jul-23
237	Student Internship at S.L Raheja Hospital	S.L Raheja Hospital	Sumit Valecha	1-Jun-23	10-Jul-23
238	Student Internship at Global Hospital	Global Hospital	Shantanu Pawar	12-Jun-23	11-Jul-23
239	Student Internship at Global Hospital	Global Hospital	Priti Mugutmal	1-Jun-23	30-Jun-23
240	Student Internship at Fortis Hospital	Fortis Hospital	Raksha Amrutkar	13-Jun-23	15-Jul-23
241	Student Internship at S.L Raheja Hospital	S.L Raheja Hospital	Surya Saroj	1-Jun-23	10-Jul-23
242	Student Internship at Global Hospital	Global Hospital	Shreya Tare	1-Jun-23	30-Jun-23
243	Student Internship at S.G. Pharmatec	S.G. Pharmatec	Tarikul Fakir	1-Jun-23	30-Jun-23
244	Student Internship at S.G Pharmatec	S.G Pharmatec	Sahil Khapekar	1-Jun-23	30-Jun-23
245	Student Internship at Capgemini	Capgemini	Freny Babaria	13-Jun-23	12-Jul-23
246	Student Internship at Capgemini	Capgemini	Pratiksha Sutar	13-Jun-23	12-Jul-23
247	Student Internship at Capgemini	Capgemini	Sneha Singh	13-Jun-23	12-Jul-23
248	Student Internship at Capgemini	Capgemini	Manali Mhaskar	13-Jun-23	12-Jul-23
249	Student Internship at Godrej Hospital	Godrej Hospital	Mitesh Chaudhari	6-Jun-23	6-Jul-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
250	Student Internship at S. G Pharmatec	S. G Pharmatec	Zeeshan Faki	1-Jun-23	30-Jun-23
251	Student Internship at Grok Learning	Grok Learning	Vedant Gaikwad	20-Jun-23	20-Jul-23
252	Student Internship at Grok Learning	Grok Learning	Diya Panchamia	20-Jun-23	20-Jul-23
253	Student Internship at Anatomize 3D Medtech Pvt. Ltd.	Anatomize 3D Medtech Pvt. Ltd.	Abhilasha Kurmi	5-Jun-23	5-Aug-23
254	Student Internship at Meraculus Tech	Meraculus Tech	Naushin Quereshi	29-May-23	30-Jun-23
255	Student Internship at Meraculus Tech	Meraculus Tech	Moin Ahmed Quereshi	29-May-23	30-Jun-23
256	Student Internship at In house Internship	In house Internship	Shravani Desai	1-Jun-23	30-Jun-23
257	Research in domain Internet of things	Thadomal Shahani Engineering College, Mumbai	Prof. Priyanka Shrivastava	1-Jul-21	30-Jun-22
258	Respiratory Signal Analysis for Diagnosis of Pulmonary Disorders by Prof. Arunkumar Ram	MGM college of Engineering and Technology	Prof. ArunKumar Ram	1-Jul-21	30-Jun-22
259	Project guide for Ph.D Students	MGM college of Engineering and Technology	Dr. Gajanan Nagare	1-Jul-22	30-Jun-23
260	To develop watermarkingb Technique	IIT Bombay+ Dynasense Technologies Pvt. Ltd.	Anushka Tuse	1-Jul-22	30-Jun-23
261	To develop watermarkingb Technique	IIT Bombay+ Dynasense Technologies Pvt. Ltd.	Kashvi Pota	1-Jul-22	30-Jun-23
262	To develop watermarkingb Technique	IIT Bombay+ Dynasense Technologies Pvt. Ltd.	Kinjal Malharkar	1-Jul-22	30-Jun-23
263	Sepsis Level Classification and Analysis	IIT Bombay+ Dynasense Technologies Pvt. Ltd.	Yashodhan Gharote	1-Jul-22	30-Jun-23
264	Sepsis Level Classification and Analysis	IIT Bombay+ Dynasense Technologies Pvt. Ltd.	Shruti Rao	1-Jul-22	30-Jun-23
265	Sepsis Level Classification and Analysis	IIT Bombay+ Dynasense Technologies Pvt. Ltd.	Gaurav Pawar	1-Jul-22	30-Jun-23
266	Skin Cancer Detection using Image Processing	Xstat Pune	Radheshyam Vekhande	1-Jul-22	30-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
267	Skin Cancer Detection using Image Processing	Xstat Pune	Dhun Chamaria	1-Jul-22	30-Jun-23
268	Skin Cancer Detection using Image Processing	Xstat Pune	Aditi Gondane	1-Jul-22	30-Jun-23
269	Skin Cancer Detection using Image Processing	Xstat Pune	Samruddhi Tapare	1-Jul-22	30-Jun-23
270	Classifying Sleep Disorders using EEG Signal Processing".	Agiliad Technologies Pune	Viraj Salunkhe	1-Jul-22	30-Jun-23
271	Classifying Sleep Disorders using EEG Signal Processing".	Agiliad Technologies Pune	Yahya Qureshi	1-Jul-22	30-Jun-23
272	Classifying Sleep Disorders using EEG Signal Processing".	Agiliad Technologies Pune	Devarshi Dalvi	1-Jul-22	30-Jun-23
273	Pneumonia Classification using ML	IIT Bombay	Kunal Adsule	1-Jul-22	30-Jun-23
274	Pneumonia Classification using ML	IIT Bombay	Rutika Bhurke	1-Jul-22	30-Jun-23
275	Pneumonia Classification using ML	IIT Bombay	Eesha Gade	1-Jul-22	30-Jun-23
276	Summer Internship	Happequity	Akash sawant	2-May-23	30-Jun-23
277	Summer Internship	GrayQuest	Mangesh bansode	2-May-23	30-Jun-23
278	Summer Internship	Future Traders Academy	Preeti bharadwaj	2-May-23	30-Jun-23
279	Summer Internship	Kirin Advisors	Abhishek yadav	2-May-23	30-Jun-23
280	Summer Internship	Jenburkt Pharmaceuticals Ltd.	Siddheshwar ingawale	2-May-23	30-Jun-23
281	Summer Internship	Wall Street Oasis	Anshul chopkar	2-May-23	30-Jun-23
282	Summer Internship	Future Traders Academy	Vedang sawant	2-May-23	30-Jun-23
283	Summer Internship	Future Traders Academy	Samiksha ramteke	2-May-23	30-Jun-23
284	Summer Internship	EVQpoint	Anugya anupam	2-May-23	30-Jun-23
285	Summer Internship	Shreeji Infrastructure Pvt Ltd	Bhagyashree bendkule	2-May-23	30-Jun-23
286	Summer Internship	Future Traders Academy	Ratnavali dachawar	2-May-23	30-Jun-23
287	Summer Internship	Okaygenie	Vishakha sonawane	2-May-23	30-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
288	Summer Internship	Future Traders Academy	Komal purnapatre	2-May-23	30-Jun-23
289	Summer Internship	Reliance Security	Jayant piprode	2-May-23	30-Jun-23
290	Summer Internship	Future Traders Academy	Tanmay kharat	2-May-23	30-Jun-23
291	Summer Internship	Future Traders Academy	Ujwal kumbhare	2-May-23	30-Jun-23
292	Summer Internship	Kirin Advisors	Sambodhi shambharkar	2-May-23	30-Jun-23
293	Summer Internship	Future Traders Academy	Shyamal bandgar	2-May-23	30-Jun-23
294	Summer Internship	Novotel	Bornali manna	2-May-23	30-Jun-23
295	Summer Internship	Avalon Global Research	Meghna lal	2-May-23	30-Jun-23
296	Summer Internship	Reliance Security	Sagarika panja	2-May-23	30-Jun-23
297	Summer Internship	Reliance Security	Sandesh zope	2-May-23	30-Jun-23
298	Summer Internship	Shriram Life Insurance	Sanjukta wahane	2-May-23	30-Jun-23
299	Summer Internship	Studentsreuse.com	Gunjan ghanwat	2-May-23	30-Jun-23
300	Summer Internship	Future Traders Academy	Akash raut	2-May-23	30-Jun-23
301	Summer Internship	Empliance Information Services India LLP	Yash sogani	2-May-23	30-Jun-23
302	Summer Internship	Neophyte Consulting Services	Ravi aher	2-May-23	30-Jun-23
303	Summer Internship	Studentreuse.com	Meetth vishwakarma	2-May-23	30-Jun-23
304	Summer Internship	Finoability	Sejal wankhade	2-May-23	30-Jun-23
305	Summer Internship	Novotel	Darpan petkar	2-May-23	30-Jun-23
306	Summer Internship	Reliance Security	Harsh pangaonkar	2-May-23	30-Jun-23
307	Summer Internship	IIFL	Neet kadam	2-May-23	30-Jun-23
308	Summer Internship	Sincrono Solutions Pvt Ltd	Mihir parab	2-May-23	30-Jun-23
309	Summer Internship	GreyQuest	Vaishnavi ghag	2-May-23	30-Jun-23
310	Summer Internship	Neophyte Consulting Services	Sheetal khole	2-May-23	30-Jun-23
311	Summer Internship	KRG Consultant	Suyog sunil rewale	2-May-23	30-Jun-23
312	Summer Internship	Gautam Shewa Architects	Jenifer vimal	2-May-23	30-Jun-23
313	Summer Internship	Burckhardt Compression	Tanishka elegeti	2-May-23	30-Jun-23
314	Summer Internship	Checklist Media	Ruchi deorukhkar	2-May-23	30-Jun-23
315	Summer Internship	GreyQuest	Bhavesh chaudhari	2-May-23	30-Jun-23
316	Summer Internship	Monetonic Financial Service	Shubham barkale	2-May-23	30-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
317	Summer Internship	Plexiads	Nilam mane	2-May-23	30-Jun-23
318	Summer Internship	Reliance Security	Sejal mahadik	2-May-23	30-Jun-23
319	Summer Internship	Strategic Growth Advisors	Khushi bhandari	2-May-23	30-Jun-23
320	Summer Internship	Monetonic Financial Service	Anchit sevekar	2-May-23	30-Jun-23
321	Summer Internship	Monetonic Financial Service	Abhishek jaiswal	2-May-23	30-Jun-23
322	Summer Internship	Monetonic Financial Service	Riddhi chavan	2-May-23	30-Jun-23
323	Summer Internship	Future Trader Academy	Yash patil	2-May-23	30-Jun-23
324	Summer Internship	Plexiads	Rajdeep patil	2-May-23	30-Jun-23
325	Summer Internship	BCD Travel	Rashmi jha	2-May-23	30-Jun-23
326	Summer Internship	IIFL	Rutuja wagh	2-May-23	30-Jun-23
327	Summer Internship	BePlaced	Aditi bhamre	2-May-23	30-Jun-23
328	Summer Internship	Mirae Assets	Sakshi patil	2-May-23	30-Jun-23
329	Summer Internship	Reliance Security	Soham dali	2-May-23	30-Jun-23
330	Summer Internship	Happequity	Vinayak pachpatil	2-May-23	30-Jun-23
331	Summer Internship	Monetonic Financial Service	Kunal bhatkar	2-May-23	30-Jun-23
332	Summer Internship	Studentreuse.com	Shakliyan shaikh	2-May-23	30-Jun-23
333	Summer Internship	S.S Rane & Co.	Shagun pal	2-May-23	30-Jun-23
334	Summer Internship	Happequity	Anamika singh	2-May-23	30-Jun-23
335	Summer Internship	Shriram Life Insurance	Sahil shambharkar	2-May-23	30-Jun-23
336	Summer Internship	Reliance Security	Ganesh nalawade	2-May-23	30-Jun-23
337	Summer Internship	Motilal Oswal	Sanil pai	2-May-23	30-Jun-23
338	Summer Internship	Dachser Logistics	Pratik jadhav	2-May-23	30-Jun-23
339	Summer Internship	Happequity	Gaurav pawar	2-May-23	30-Jun-23
340	Summer Internship	Plexiads	Suraj nakhate	2-May-23	30-Jun-23
341	Summer Internship	Adani Electricity / IIT Bombay	Pratik jadhav	2-May-23	30-Jun-23
342	Summer Internship	Happequity	Nivita nirankari	2-May-23	30-Jun-23
343	Summer Internship	Property Megamart	Avishkar tirlotkar	2-May-23	30-Jun-23
344	Summer Internship	Future Trader Academy	Snehashish mate	2-May-23	30-Jun-23
345	Summer Internship	Monetonic Financial Services	Khushal gadekar	2-May-23	30-Jun-23
346	Summer Internship	Monetonic Financial Services	Vedant pawali	2-May-23	30-Jun-23
347	Summer Internship	Seven Group	Vipul gandhi	2-May-23	30-Jun-23
348	Summer Internship	GreyQuest	Sakshi thakre	2-May-23	30-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
349	Summer Internship	AV Fincorp Pvt. Ltd.	Priyal lohiya	2-May-23	30-Jun-23
350	Summer Internship	Hustlewin Pvt. Ltd.	Ajay chavan	2-May-23	30-Jun-23
351	Summer Internship	Neophyte Consulting Services	Apoorva lakshkar	2-May-23	30-Jun-23
352	Summer Internship	Monetonic Financial Services	Rishit poojary	2-May-23	30-Jun-23
353	Summer Internship	GrayQuest	Shrutayu ghadge	2-May-23	30-Jun-23
354	Summer Internship	Walle Events	Divyanshu sharma	2-May-23	30-Jun-23
355	Summer Internship	Walle Events	Shakti singh	2-May-23	30-Jun-23
356	Summer Internship	Genxhire	Srushti rathod	2-May-23	30-Jun-23
357	Summer Internship	RCF	Samiksha tiwalekar	2-May-23	30-Jun-23
358	Summer Internship	Yangpoo Executive Education	Payal chirke	2-May-23	30-Jun-23
359	Summer Internship	Neophyte Consulting Services	Aniket more	2-May-23	30-Jun-23
360	Summer Internship	YRS & Co.	Vishwesh andhare	2-May-23	30-Jun-23
361	Summer Internship	Pearl Media Communiations	Atul yadav	2-May-23	30-Jun-23
362	Summer Internship	Speridian Technologies	Kishor jondhale	2-May-23	30-Jun-23
363	Summer Internship	Percipere Consulting India Pvt. Ltd.	Seva raut	2-May-23	30-Jun-23
364	Summer Internship	Adani Electricity	Ankita chavan	2-May-23	30-Jun-23
365	Summer Internship	First Assests	Suhaib shaikh	2-May-23	30-Jun-23
366	Summer Internship	Genxhire	Sara bhure	2-May-23	30-Jun-23
367	Summer Internship	Monetonic Financial Services	Chinmay mane	2-May-23	30-Jun-23
368	Summer Internship	Neophyte Consulting Services	Pooja khairnar	2-May-23	30-Jun-23
369	Summer Internship	U.S. Mulay and Co.	Pradnya parkar	2-May-23	30-Jun-23
370	Summer Internship	Plexiads	Manish bane	2-May-23	30-Jun-23
371	Summer Internship	Reckons Financial Consulting limited	Siddhesh sawant	2-May-23	30-Jun-23
372	Summer Internship	Plexiads	Ishita powale	2-May-23	30-Jun-23
373	Summer Internship	Reliance Security	Vivek kalyankar	2-May-23	30-Jun-23
374	Summer Internship	Kirin Advisors	Sanika toraskar	2-May-23	30-Jun-23
375	Summer Internship	SUTEX CO-OPERATIVE BANK LTD.	Manashvi panchal	2-May-23	30-Jun-23
376	Summer Internship	Neophyte Consulting Services	Nivedha nadar	2-May-23	30-Jun-23
377	Summer Internship	Genxhire	Aditi khadye	2-May-23	30-Jun-23
378	Summer Internship	CA Vinod Kumar and Virpuriya &Co.	Atharv gujar	2-May-23	30-Jun-23

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	
				To	From
379	Summer Internship	Adani Electricity	Bhavika jadhav	2-May-23	30-Jun-23
380	Summer Internship	Future Trader Academy	Omkar yadav	2-May-23	30-Jun-23
381	Summer Internship	Property Megamart	Sahil kondvilkar	2-May-23	30-Jun-23
382	Summer Internship	Collins India	Kaif khan	2-May-23	30-Jun-23
383	Summer Internship	Neophyte Consulting Services	Nishant chiluka	2-May-23	30-Jun-23
384	Summer Internship	Future Trader Academy	Shreyash sonar	2-May-23	30-Jun-23
385	Summer Internship	J B Pitre Association	Simran patil	2-May-23	30-Jun-23
386	Summer Internship	B B Advisory	Amardeep pote	2-May-23	30-Jun-23
387	Summer Internship	Genxhire	Ankita more	2-May-23	30-Jun-23
388	Summer Internship	Shriram Housing Finance	Madhuri prajapati	2-May-23	30-Jun-23
389	Summer Internship	Genxhire	Anjali pisal	2-May-23	30-Jun-23
390	Summer Internship	Shiltex	Saroj prince rakesh	2-May-23	30-Jun-23
391	Summer Internship	HR Cadre	Yash mhatre	2-May-23	30-Jun-23
392	Summer Internship	Speridian Technologies	Kalyanram pulidandla	2-May-23	30-Jun-23
393	Summer Internship	Adani Electricity	Adarsh sawant	2-May-23	30-Jun-23
394	Summer Internship	Reliance Security	Nikhil patil	2-May-23	30-Jun-23
395	Summer Internship	Travel Lounge	Vedant dubey	2-May-23	30-Jun-23
396	Summer Internship	Neophyte Consulting Services	Sahana gowda	2-May-23	30-Jun-23
397	Summer Internship	Genxhire	Asmita waghdhare	2-May-23	30-Jun-23
398	Summer Internship	Okaygenie	Sai chavan	2-May-23	30-Jun-23
399	Summer Internship	Future Trader Academy	Sarthak pawar	2-May-23	30-Jun-23
400	Summer Internship	Reliance Security	Vipul Warise	2-May-23	30-Jun-23
401	Student Twin Program	University of Toledo, Ohio, U.S.A.	Riya Chavan	1-Jul-22	30-Jun-23
402	Student Twin Program	University of Toledo, Ohio, U.S.A.	Jairam Iyer	1-Jul-22	30-Jun-23

#### 2.4 PARTICIPATION IN NATIONAL COMPETITIVE EVENTS AND HACKATHONS

Name of the Capacity Development and Skill Enhancement programme	Number of students enrolled	Name of the agencies/consultants involved with contact details if any
GE course on PROFESSIONAL SKILLS	202	Mr. Abhay Valsangkar, Founder, The Avatar
GE course on DESIGN THINKING	202	ITSA – Information Technology Student Association

Name of the Capacity Development and Skill Enhancement programme	Number of students enrolled	Name of the agencies/consultants involved with contact details if any
Webinar on "GATE way to IIT: Cracking the Future"	62	CCC BIOM/ Ms. Shruti Rao and Mr. Kunal Adsule from IIT Madras
Webinar on 'Ways to get ready for the GATE Exam'	41	CCC, EXCS/ Mr. Sudhanshu Gavade
Session on 'Tip-offs for Higher Education in German'	21	CCC, EXCS/ Mr. Rutwij Mulye Mr. Aayush Berde
Webinar on "Guidance on pursuing MS from USA"	14	CCC, CMPN/ Mr. Adarsh Gadekar Alumnus pursuing MS at University of Southern California, USA
Webinar on 'How to choose a country when studying abroad?'	23	CCC, BIOM/ 1. Ameya Gharpure - Panelist Designation: Founder - AdmitAbroad   Director - Vidyalankar 2. Archana Parab - Panelist Designation: Study Abroad Advisor at AdmitAbroad, Vidyalankar
Webinar on "Journey from M. Tech to Intel "	23	CCC, BIOM/ Mr. Rahul Pandey, System Validation Engineer - Intel
Webinar on "Guidance on pursuing MS from USA"	14	CCC, BIOM/Mr. Prathamesh Navale MTech, IIT Bombay
Webinar on "Insights on MS in Germany "	26	CCC, BIOM/Mr. Harsh Khedwal pursuing masters in Germany
Webinar on "Mastering GRE: Your Path to Top-Tier US Universities for MS	64	CCC, BIOM/Mr. Yashodhan Gharote pursuing masters in john hopkins
BOOSTING YOUR NETWORK THROUGH LINKEDIN PROFILE	67	Professor AMIT AYLANI, CSI, VIT
Educational counselling workshop	21	EESA, VIT/ Mr. Gautam Umashankar 'Mission Career'
GE Course on Exploring Indian Art	11	First year Department
GE Course on Indian Constitution	22	First year Department
GE Course on INDIAN TRADITIONAL KNOWLEDGE SYSTEM	12	First year Department
GE Course on UNIVERSAL HUMAN VALUES	36	First year Department
GE Course on IQ VS EQ	33	First year Department
GE Course on NUTRITION AND PHYSICAL WELLNESS	81	First year Department
GE Course on VARIOUS DANCE FORMS	73	First year Department
GE Course on WELLNESS - BODY, MIND . SPIRIT	84	First year Department
FACETS OF ASTRONOMY	52	First year Department

Name of the Capacity Development and Skill Enhancement programme	Number of students enrolled	Name of the agencies/consultants involved with contact details if any
Session on "Aasha infinite foundation- Social Service Opportunities"	110	BMSA, VIT and Aasha infinite foundation
Odyssey 2023-24	50	BMSA, VIT
Film Fiesta	32	CSI-VIT
Poster Making Contest	5	EESA, VIT
Reel and Video making contest	20	EESA, VIT
Journey of Women Professors	30	IEEE WIE
Logo Making Competition 2023	19	IEEE WIE
Aasha Infinite Foundation- Social Service Opportunities	110	BMSA & III committee / Ms. Meera Raman, head Aasha Infinite Foundation
Talk on "Gender Sensitivity"	40	WDC & ICC committee VIT, Dr. Kirti Potkar
Poster Presentation Competition. on the topic "The Success Stories of Renowned Female Scientists and Entrepreneurs"	116	WDC & ICC committee, VIT
Seminar on "Women Safety and Law"	50	WDC & ICC committee, VIT/ Dr. KK Sunitha, LLM, PhD Law Assistant Professor
Rhythm exchange (Salsa Workshop)	40	Student Council
Global Quest	20	Student Council
Introduction to Technical Aspects		Prof. Amit Nerurkar, CSI/Prof. Neha Kudu, ACM
Guest Session on "Cloud Computing and UI/UX Overview	79	Mr.Dhanraj Tembe Senior Executive-Technical & Broadcasting-IT Times Group
How to write a good project proposal	42	Dr. Rami Reddy, adjunct professor at VJTI/SPQA & BMSA
Movie Screening Sci-fi Kaleidoscope	56	BMSA, VIT
Workshop on 'REVIVE- Med-Voyage'	64	BMSA, VIT/ Dr. Anagha Joshi, Dr. Vivek Ukirde, Dr. Kunal Arora, Dr. Kushal Bidichandani, and Dr. Anant Kulsange from Sion hospital
REVIVE – Robosurge- Guest talk on topic "The role of robotics in surgery"	43	BMSA, VIT / Dr. Santoshi Nagaonkar
REVIVE - Rubaroo keynote session	70	BMSA, VIT/ Mr. Saurabh Dahivadkar, online educator & youtuber
Hands-on implementation of basic Deep Learning Architectures	70	BMSA, VIT / Ishaan Vastraj, Research assistant at ADVANCE

Name of the Capacity Development and Skill Enhancement programme	Number of students enrolled	Name of the agencies/consultants involved with contact details if any
Guest Session on "Biomedical Career Options"	49	Mr. Shreedhar Chitalay Product Sales Specialist Biolitec Mr. Shreeyash Khambete Goa Institute of Management PGDM-HCM 2022- 2024
Workshop on "Docker and Kubernetes"	106	Mr. Hansraj Mathakar, Software Engineer, Cloud Infrastructure Splunk
Skillset required in Top IT Industries for good career Opportunities	35	Mr. Anand Kelkar Program Manager , Amazon UK
Computer Hardware Engineering, Opportunities and Prerequisites	68	Mr. Himanshu Naik, Western Digital, Principal Systems Engineer, San Francisco Bay Area, US
Guest Lecture on 'Scope and Growth in VLSI/ASIC Domain'	35	Miss Sanjana Pisal, Engineer II, ASIC verification, Seagate technology HDD pvt ltd
Guest Lecture on "Applied Databases"	70	Mr. Sairaj Adkar Software Engineer, TCS
Bit Battle	10	CESA
Seminar on Cyber Security	50	CESA/ Amruta Pandhare, Computer Engineer, Security Analyst, AppSec Practitioner
Workshop on Cyber Security Awareness Program & Internship opportunities.	60	CESA/ Gaurav Batra, CEO at Cyberfrat
Seminar on Generative AI.	135	CESA/ Minakshee Narayankar , AI -Web developer at TCS Digital TCS Research and Innovation
Hacktoberfest	45	CESA/ Mrs. Deval Sutaria Sr.Manager DevOps at cloudxchange.io
Workshop on Application building in NLP & ML Domain	55	CESA/ Mr. Laxmi Kant (Ph.D Scholar at IIT Kharagpur & Cofounder of mBreath Technologies
V-Toycathon Bootcamp	40	CESA & Hobby club/ Mr. Aniruddha Rajderkar, Founder of Mawala - The Board Game & Mr. Priyansh Lakhotia, Co-Founder of Youngineers
Cyberfrat – Awareness towards cyber security	75	CSI-VIT and CESA-VIT / Mr. Gaurav Batra, CEO of Cyberfrat.
FE 101- Introduction to Technical Aspects	78	CSI-VIT
CS101: Introduction to Computer Domain	233	CSI-VIT
Code with maps	250	CSI-VIT, sponsored by Goggle Maps Platform

Name of the Capacity Development and Skill Enhancement programme	Number of students enrolled	Name of the agencies/consultants involved with contact details if any
Cyberfrat – 1 Day Symposium On Cyber Security	40	1. Gaurav Batra, Founder & CEO, CyberFrat, 2. Abhishek Mathur, GM- IOE, Wärtsilä, 3. Rajesh T R, Director – Security & Resiliency, 4. Sanjay Mistry, Content Producer, Culsight, 5. Ria Mahale, Security Culture Strategist, Culsight, 6. Ruchi Balakrishna, Security Awareness Content Specialist, Culsight, 7. Aditi Chandanshive, AM- Ops, CyberFrat, 8. Bhairavi Joshi, Marketing and PR Manager , Cyberfrat, 9. Nisha Gupta, Assistant Manager-Operations, Cyberfrat, 10. Milin Shah, Cybersecurity Advisor and Tech Enthusiast
Predict the outcome of football matches using ML	67	CSI, Mr. Aadit Chavan, Mr. Yash Malode and Mr. Adwait Godbole.
Power Of CLI: Hands on Workshop	43	EESA, VIT/ Mr. Gaurang Kalyankar & Mr. Jay Keer.
How to Write A Technical Paper?	50	Dr. Nayana Mahajan, EESA-VIT
Poster making competition (Intercollege )	44	EESA, VIT
RoboTrace: A line following Robot	45	EESA, VIT/ Prof. Amol Sakhalkar, Assistant professor, VIT
'Robotics talk' (ROTA)	45	EESA, VIT/ Prof. Dattatray Sawant , Asst. Professor, Department of Mechatronics engineering
The Journey of a Website report	55	EESA, VIT/ Mr. Aquib Ajani
Exploring the World of Copy Right	23	EESA, VIT/ Mr. Pratik Hendre, Design patent officer
Basics of semiconductor electronics	50	EESA, VIT
Microsoft Azure Workshop	33	EESA, VIT/ Mr. MR VEDANT PATIL
How to Write A Good Project Report?	50	EESA, VIT
Digital Marketing Workshop	25	EESA, VIT/ Mr. Rushikesh Pandit.
Hackatronics (Project competition)	40	EESA, VIT
PCB Designing Workshop	30	EESA, VIT
Cloud-Unleash: A cloud computing seminar.	35	EESA, VIT
Ethical Hacking Workshop	60	EESA, VIT
PCB Designing competition	24	EESA, VIT
Workshop on CDAC VEGA	30	IETE, VIT
Drone Workshop by Drona Aviation	25	IETE, VIT
Embracing AI : Navigating the future of work & job opportunities	42	IETE, VIT
Grovator: An IoT Platform	25	IETE, VIT
Product Development	28	IETE, VIT
Space Communication	56	IETE, VIT/ Dr. Nitesh Kumar Agarwal, Associate Prof. at Pillai College of Engg
Virtual labs Development	20	IETE, VIT

Name of the Capacity Development and Skill Enhancement programme	Number of students enrolled	Name of the agencies/consultants involved with contact details if any
Microstrip Antenna Design Application Seminar	20	IETE, VIT
"How to cite while you write"	55	R&D and IIC/ Dr Sanika Suvarnapathaki, postdoctoral Research Fellow at the Johns Hopkins University School of Medicine Baltimore, Maryland, United States
TantraDrishyam 2023- Annual project exhibition & competition	81 groups	SPQA committee VIT

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20	Omkar Sameer Vichare	8080778308	omkar.vichare@vit.edu.in	20104A0063

### 3. RESEARCH, INNOVATIONS AND EXTENSION

- The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The research facilities are regularly updated as per the requirement. There is a well-defined policy for promotion of research and the same is available on the college website. The college offers doctoral degree in Computer Engineering disciplines under University of Mumbai. The revised Research Policy of the College comprising the Research Promotion Policy, Plagiarism Check, Research Ethics, Research Consultancy Policy, Seed Money Research Grant, and College Research Regulations govern all processes starting from admission to submission of thesis. The Institute takes care to provide physical infrastructure such that the faculty and students involved with research are motivated. VIT Research Grants (Seed Money) provides monetary assistance for research. Research facilities, well equipped research laboratories with advanced equipment, digitized library and softwares to assist research include plagiarism checking softwares. To promote research, special lectures on writing a good manuscript, ethics in research, IPR, writing of research proposals and consultancy are regularly organised. College also facilitates the participation of the faculty members in seminars, conferences, workshops, etc. at national and international levels.

- Innovation Ecosystem**

The institute has created an ecosystem for research and innovation and in this regards we have developed an incubation center & entrepreneurship cell to initiate transfer of knowledge. The institute has R&D Cell to motivate and create research culture among faculty members and students. Incubation Centre and Entrepreneurship Cell (E-cell) initiates various activities to identify and nurture the latent entrepreneurial spirit of students and provide opportunities for excellence. Encouragement to establish different clubs for students by the departments. The R&D ecosystem constitutes Human manpower infrastructure comprising 13 recognized research guides, 30 doctorate faculty and 30 faculty pursuing Ph. D programs. Physical infrastructure comprising well equipped Library and laboratories with modern simulation tools and equipment. The faculty members regularly up-grade through conference seminar and lecture series. Faculty members are granted leave to attend academic activities outside the University, in India and abroad. Research studies is facilitated with Mumbai University approved Ph.D. Programme for Computer Engineering. Research and Development Committee facilitate conduction of technical workshops, seminars, industrial visits, research mentoring workshop, Book Reviews/Paper Reviews, Technical presentations by faculty members and provides mechanism for submission of minor and major research proposals for funding. The college has signed MOUs with industries. Institute publishes journal 'Applied Engineering and Technologies, AET Journal, with ISSN: 2278-1722 annually.

Name Of The Author(S)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
Tanish Mohanty, Omkar Karle, Nilabh	Information Technology	Collab Pro –A Project Repository	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Jan-23	2321-9654	<a href="https://www.ijraset.com/research-paper/collab-pro-a-project-repository">https://www.ijraset.com/research-paper/collab-pro-a-project-repository</a>
Adithee Kore <sup>1</sup> , Hirshika Samant <sup>2</sup> , Dharmil	Information Technology	Sign Language Translator and Teaching System	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Feb-23	2321-9654	<a href="https://www.ijraset.com/research-paper/sign-language-translator-and-teaching-system">https://www.ijraset.com/research-paper/sign-language-translator-and-teaching-system</a>
Adithee Kore <sup>1</sup> , Hirshika Samant <sup>2</sup> , Dharmil	Information Technology	'Decal App'- Augmented Reality based Flutter	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr-23	2321-9653	<a href="https://www.ijraset.com/best-journal/dec-al-application-augmented-reality-based-flutter-application">https://www.ijraset.com/best-journal/dec-al-application-augmented-reality-based-flutter-application</a>

Name Of The Author(S)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
Santosh Tamboli	Information Technology	Malware Detection and Classification Using Portable	Scandinavian Journal of Information Systems	May-23	0905-0167	Suhail Khan, Samuel Jacob
Santosh Tamboli	Information Technology	Robust Malware Detection Leveraging Machine	Scandinavian Journal of Information Systems	Jun-23	0905-0167	<a href="https://www.scopus.com/sour/ceid/21100199731">https://www.scopus.com/sour/ceid/21100199731</a>
Vipul Dalal	Information Technology	An Extractive Question Answering System	International Journal of Innovative Research in Computer and Communication	May-23	2320-9801	<a href="http://www.ijrcce.com">www.ijrcce.com</a>
Vipul Dalal	Information Technology	musicAL.GO - Algorithmic Music Generation	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr-23	2321-9653	<a href="http://www.ijraset.com">www.ijraset.com</a>
Vipul Dalal	Information Technology	Text to Image Synthesis using Generative Adversarial	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr-23	2321-9653	<a href="http://www.ijraset.com">www.ijraset.com</a>
Dilip Motwani	Information Technology	A Blockchain based data store for admission cell	International Journal of Innovative Research in Computer and Communication	Mar-23	2320-9801	<a href="http://www.ijrcce.com">www.ijrcce.com</a>
Dilip Motwani	Information Technology	The Future of Finance: An in-depth look at DeFi in the	The Ciência & Engenharia - Science & Engineering Journal	Mar-23	0103-944X	<a href="https://seer-ufu-br.online">https://seer-ufu-br.online</a>
Vidya Chitre	Information Technology	Empowering Global E-Learning with EduChain:A	GIS Science Journal	May-23	1869-9391	<a href="http://www.gisscience.net">www.gisscience.net</a>
Vidya Chitre	Information Technology	Real-Time Sign Language Detection	GIS Science Journal	Apr-23	1869-9391	<a href="http://www.gisscience.net">www.gisscience.net</a>
Vidya Chitre	Information Technology	Virtual Assistant for College Enquiry	International Journal of Innovative Science and Research Technology	Apr-23	2456-2165	<a href="http://www.ijrct.com">www.ijrct.com</a>
Vidya Chitre	Information Technology	Survey on EDUCHAIN A Blockchain powered	International Journal of Advances in Engineering and Management	Mar-23	2395-5252	<a href="http://www.ijaem.net">www.ijaem.net</a>
Vidya Chitre	Information Technology	Enhancing Intrusion Detection Systems with a	International Journal on Recent and Innovation Trends in Computing and Communication	Oct-23	2321-8169	<a href="https://ijritcc.org/index.php/ijritcc/article/download/8499/6661/9477">https://ijritcc.org/index.php/ijritcc/article/download/8499/6661/9477</a>
Ranjan Dhuri	Information Technology	Automation of Employee Onboarding process	International Journal of Innovative Research in Computer and Communication	Mar-23	2320-9801	<a href="http://www.ijrcce.com">www.ijrcce.com</a>
Shruti Agarwal	Information Technology	Harvestify - Crop Disease detection and Fertilizer	International Journal of Innovative Research in Computer and Communication	Apr-23	2320-9801	<a href="http://www.ijrcce.com">www.ijrcce.com</a>

Name Of The Author(S)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
Shruti Agarwal	Information Technology	University Recommendation System for Abroad studies	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr-23	2321-9653	<a href="http://www.ijraset.com">www.ijraset.com</a>
Sushopti Gawade, Ashok Bhansali	Information Technology	Application of the convolutional neural networks	Healthcare Analytics ( Science Direct Elsevier )	Mar-23	2772-4425	<a href="https://www.sciencedirect.com/journal/healthcare-analytics">https://www.sciencedirect.com/journal/healthcare-analytics</a>
Suvarna Bhat	Computer Engineering	A comprehensive survey of deep learning	Healthcare Analytics	Dec-23	2772-4425	<a href="https://www.scopus.com/sour/ceid/21101136665">https://www.scopus.com/sour/ceid/21101136665</a>
Sanjeev Dwivedi	Computer Engineering	Enhancing Early Detection of Fake News on Social Media	Journal International Journal of Intelligent Systems and Applications in Engineering	Mar-23	2147-6799	<a href="https://www.scopus.com/sour/ceid/21101021990">https://www.scopus.com/sour/ceid/21101021990</a>
Sanjeev Dwivedi	Computer Engineering	Deep Learning Based Semantic Model for Multimodal Fake	International Journal of Intelligent Engineering and Systems	Nov-23	2185-3118	<a href="https://www.scopus.com/sour/ceid/21101021990">https://www.scopus.com/sour/ceid/21101021990</a>
Swapnil Sonawane	Computer Engineering	Mapping of Blockchain Technology with Indian Fintech	Journal of Data Acquisition and Processing	Mar-23	1004-9037	<a href="https://www.scopus.com/sour/ceid/20765">https://www.scopus.com/sour/ceid/20765</a>
Swapnil Sonawane	Computer Engineering	Modelling blockchain technology-driven practices	Scandinavian Journal of Information Systems	Mar-23	905-0167	<a href="https://www.scopus.com/sour/ceid/20765">https://www.scopus.com/sour/ceid/20765</a>
Amit Nerurkar	Computer Engineering	Investigating complexities to be resolved for seamless	Journal of Data Acquisition and Processing March 23, 2023	Mar-23	1004-9037	<a href="https://www.scopus.com/sour/ceid/20765">https://www.scopus.com/sour/ceid/20765</a>
Nayana Mahajan	Electronics and Computer Science	Design and simulation of Agriculture Drone	Journal of Technology	Dec-23	1012-3407	<a href="https://journaloftechnology.org/">https://journaloftechnology.org/</a>
Sheetal Mapare	Electronics & Telecommunication Engineering	Diabetes Prediction Using Machine Learning:	Tanz Journal	Dec-23	1869-7720	<a href="https://www.scopus.com/sour/ceid/19700188476">https://www.scopus.com/sour/ceid/19700188476</a>
Atul Oak R. D. Daruwala	Electronics & Telecommunication Engineering	Efficient And Robust Security Architecture For Enhancing	International Journal Of Computer Applications	Jun-23	0975-8887	<a href="https://www.ijcaonline.org/">https://www.ijcaonline.org/</a>
Saurabh Mehta	Electronics & Telecommunication Engineering	Contribution of Indian Saints to Science and Mathematics	A Multilingual Journal Of Research	Sep-23	2582-8770	<a href="https://www.gapbhasha.org/index.php">https://www.gapbhasha.org/index.php</a>
Uday Kashid	First year Engineering	Contribution of Indian Saints to Science and Mathematics	A Multilingual of Journal of Research	Jul-23	2582-8770	<a href="https://www.gapbhasha.org/view-articles.php?iid=15">https://www.gapbhasha.org/view-articles.php?iid=15</a>
Mitalee Gangal	First year Engineering	A Study of Samuel Beckett's Waiting for Godot.	IJFMR - International Journal for Multidisciplinary Research	Oct-23	2582-2160	<a href="https://doi.org/10.36948/ijfmr.2023.v05i05.6156">https://doi.org/10.36948/ijfmr.2023.v05i05.6156</a>

Name Of The Author(S)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
Vishal Gargal	First year Engineering	Kitchen sink realism in John Osborne's "look back in anger"	IJNRD-International Journal of Novel Research and Development	Aug-23	2456-4184	<a href="https://www.ijnrd.org/papers/IJNRD2308428.pdf">https://www.ijnrd.org/papers/IJNRD2308428.pdf</a>
Vishalakshi Nandula	First year Engineering	Contribution of Indian Saints to Science and Mathematics	Multilingual Journal of Research, July 2023.	Jul-23	2582-8770	<a href="https://www.gapbhasha.org/vi-ew-articles.php?id=15">https://www.gapbhasha.org/vi-ew-articles.php?id=15</a>
Midny Saura	First year Engineering	Teaching Cultural Diplomacy Using Sports Fiction a	International journal of Advances in Engineering and Management (IJAEM)	Aug-23	2395-5252	<a href="https://ijaem.net/issue_dcp/Teaching%20Cultural%20Diplomacy%20Using%20Sports%20Fiction%20A%20New%20Directi">https://ijaem.net/issue_dcp/Teaching%20Cultural%20Diplomacy%20Using%20Sports%20Fiction%20A%20New%20Directi</a>
Narish Mishra	First year Engineering	Thermal analysis of solar flat plate harp type air heater using	International Journal of Scientific Research in Engineering and Management (IJSREM),	Aug-23	2582-3930	<a href="https://ijsrem.com/download/thermal-analysis-of-solar-flat-plate-harp-type-air-heater-using-cfd/">https://ijsrem.com/download/thermal-analysis-of-solar-flat-plate-harp-type-air-heater-using-cfd/</a>
Rupesh Parthe	First year Engineering	Comparative Analysis of data visualization tools: power BI	International Journal of Scientific Research in Engineering and Management (IJSREM),	Oct-23	2582-3930	<a href="https://ijsrem.com/">https://ijsrem.com/</a>
Ishan Upadhyay	First year Engineering	Payback Analysis of Automatic Room Light Control Using	International Journal of Scientific Research & Engineering Trends	Dec-23	2395-566X	<a href="https://abcdindex.com/Article-1/payback-analysis-of-automatic-room-light-control-using-ultrasonic-sensor-9364">https://abcdindex.com/Article-1/payback-analysis-of-automatic-room-light-control-using-ultrasonic-sensor-9364</a>

### Memorandum of Understanding with organisations of repute

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU year wise	Number of students/ faculty participated under MoUs
Rovren	Rovren	May-24	Till termination	Education Software for image processing	2
SCAD	Scad Technology	Apr-24	5 year	Internship project guidance	11
A2AW systems Pvt. Ltd.	A2AW systems Pvt. Ltd., Mumbai	Apr-24	5 years	03 students are working on two projects which leads to internships for 03 students	10
Firebird VR Pvt. Ltd.	Firebird VR Pvt. Ltd.	Apr-24	3 years	Internships, seminar, R&D	12
Sandip TBI	Sandip Incubator Association	Apr-24	5 years	Agreement signed and	2

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU year wise	Number of students/ faculty participated under MoUs
		Aug-24	2 years	conditions established, Innovation incubation	
Cambridge University	Cambridge University UK	Mar-24	Till termination	Collaborative research with faculty	1
Innoshri Pvt. Ltd. Pune	Innoshri Pvt. Ltd. Pune	Mar-24	5 years	Two Projects and 02 internships	15
Semi-conductor laboratory chandigarh	Semi-conductor laboratory chandigarh	Feb-24	5 years	On going product Development, Consutancy with faculty and students	12
SunCreattica, Mumbai	SunCreattica, Mumbai	Feb-24	5 years	Two Projects and 06 internships	28
Monitra Healthcare	Monitra Healthcare	Dec-23	5 years	Internship, Hackathon , IV, consultancy	12
ChembioSens	ChembioSens	Nov-23	Till termination	Internship	5
Mumbai Gujarati Sangathan (MGS)	Mumbai Gujarati Sangathan (MGS)	Nov-23	3 years	07 students completed internships	7
My green Society	My green Society	Sep-23	Till termination	Internship	3
The Movement India	The Movement India	Sep-23	Till termination	Internship	4
Asha Foundation	Asha Foundation	Aug-23	Till termination	Internship	4
Centre for social and behavior change communication	SBC3, Mumbai	Sep-23	Till termination	Social Internship done by more than 20 students, Event on "Mental health awareness and wellbeing "	150
Yasho Ganga	Yashoganga Educational & Social Council, thane	Aug-23	Till termination	Nil	0

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU year wise	Number of students/ faculty participated under MoUs
CereLabs Pvt.Ltd	CereLabs Pvt.Ltd, Mumbai	Aug-23	3 years	Two Projects and 06 internships	30
Go -Green Technologies, Mumbai	Go -Green Technologies, Mumbai	Aug-23	3 years	Nil	0
CyberFrat	CyberFrat, Mumbai	Jul-23	3 years	Events, social service internship drive, paid internship for one student, 1-day national symposium	50
RCF	RCF, Mumbai	Jun-23	1 year	Training In semester break	4
Chitale Bandhu Mithaiwala, Pune	Chitale Bandhu Mithaiwala, Pune	Jun-23	Till termination	Project Based Internship	3
RushiPundit Digital School	RushiPundit Digital School	Apr-23	Till termination	Students' internship on Digital marketing	8
Seva Saha Yog	Seva Saha Yog, Mumbai	Apr-23	3 years	02 students completed internships	2
YPP Technologies, Mumbai, India	YPP Technologies, Mumbai, India	Mar-23	3 Years	Scheduled activities to be carried out.	2
Microsystemservices, Mumbai, India	Microsystemservices, Mumbai, India	Mar-23	3 Years	Scheduled activities to be carried out.	2
VJTI Institute of technology, Mumbai	VJTI Institute of technology, Mumbai	Feb-23	Till termination	Lab access of VJTI for Students project work	5
Inficorridor	Inficorridor	Jan-23	5 years	2 sponsored Final year Project	8
Cognitio Knowledge Tech Pvt Ltd	Cognitio Knowledge Tech Pvt Ltd, Mumbai	Jan-23	4 years	Two Projects and 06 internships for students , 03 internships for faculties	35

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU year wise	Number of students/ faculty participated under MoUs
Capgemini Technology Services India Limited	Capgemini Technology Services India Limited	Sep-22	3 Years	Guest lectue-02 , FDP-01	60
ExcelR Solution	ExcelR Solution, Bangalore	Apr-22	2 year	Students & Faculties certification	200
Pace Rover Medical Systems, Wardha	Pace Rover Medical Systems, Wardha	Jun-22	Till termination	Summit	64
Rishi Digital transformation	Rishi Digital transformation	Jul-21	Till termination	Advice for curriculum enrichment of Digital Marketing	2
Vihangam Techno Holistic Organization, Pune	Vihangam Techno Holistic Organization	Jul-23	5 years	Expert Lecture By Dr. Mangal Dhend, SDP for Students	120
Theia New Consultancy LLP (TNC), Navi Mumbai	Theia New Consultancy LLP (TNC), Navi Mumbai.	Sep-21	Till termination	Expert Lecture Gandhigiri in Corporate life by Mr. Anantha Iyer	124
Scientific Jugaadfunda	MACCIA	Apr-21	Till termination	Internship	9
DigiSec360IN Solutions Pvt. Ltd, Mumbai	DigiSec360	Oct-21	3 Years	Honours courses	50
Cloud Counsalage	Cloud Counsalage	Dec-20	Till termination	Internship, Seminar, Guest Lecture	2
Kids Galaxy	Kids Galaxy	Dec-20	3 Years	Audit Course ,internship	97
Cerebranium	Cerebranium	Dec-20	3 Years	1. Internships 2. Job Opportunity 3. Expert Lecture	85
Jupiter Hospital	Jupiter Hospital	Nov-19	3 Years	Internship	5
Wipro GE health care pvt Ltd	Wipro GE health care pvt Ltd	Apr-18	5 year	Demo Equipment allotted for Project Work	4

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU year wise	Number of students/ faculty participated under MoUs
AlgOmega Idea LAB	AlgOmega IdeaLAB, Value 3	Aug-18	Till termination	Setup innovation	20
The University of Toledo college of business and Innovation	The University of Toledo college of business and Innovation	Jul-15	Till termination	Study and lecturer	8

• Revenue generated from consultancy and corporate training during the year (INR in lakhs) Rs 59000

Revenue Generated from Consultancy During the Year				
Sr No.	Names of the teacher-consultants	Name of the consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (INR in lakhs)
1	Dr.Sangeeta Joshi	Consultation for Academic Support Services	Vidyavardhini's College of Engineering & Technology Date of issue: 01-July-2024 Vidyavardhini campus, K. T. Marg, Vasai Road West., Dist. Palghar, Maharashtra India	Rs. 59,000.00
2	Prof. Smita Mukherjee	Leadership skills and Business Etiquette-Work place Readiness,Work Life Balance	Sir Sorabji Pochhkanwala Bankers Training College,Mumbai(Central Bank of India)	Nil
3	Prof. Smita Mukherjee	Humour to Happiness	Sir Sorabji Pochhkanwala Bankers Training College,Mumbai(Central Bank of India)	Nil
4	Prof. Smita Mukherjee	Communication Skills	Sir Sorabji Pochhkanwala Bankers Training College,Mumbai(Central Bank of India)	Nil

**Details of grants received from Government and Non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in lakhs)-10.8 Lakhs**

Name of the Principal Investigator/ Co-Investigator (if applicable)	Department of the Principal Investigator/ Co-Investigator	Name of the Funding Agency	Type (Government/ Non-Government)	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project
Dr. Dhananjay Patel	Electronics & Telecommunication Engineering	TIH Foundation for IoT and IoE	Government	6	March, 2024	10 months
Prof. Arunkumar Ram	Biomedical Engineering	TIH Foundation for IoT and IoE	Government	4.8	March, 2024	10 months

- Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year 52000

**WORKSHOPS /SEMINARS CONDUCTED BY INSTITUTE FOR FACULTY MEMBERS**

Sr. No.	Name	Date
1	How to cite while you write	18th August 2023(Friday 3.30pm-5.30 pm)
2	Tips to avoid and Reduce Plagiarism	25th September 2023 (4 pm-5 pm)
3	Awareness session on IPR: Intellectual property Rights	23rd January 2024 (4 pm-5 pm)
4	Exploring the World of Copy Right	05th February 2024 (5.00pm-6.00pm)
5	Research Mentoring Workshop 2024	24th February 2024 (11.00am - 12.30pm)
6	Introduction to Patent and copyright to secure your research	14th March 2024 (1.45 pm to 3.45 pm)
7	Fostering Innovation through Intellectual Property Rights Protection	13th April 2024 (12:00 noon to 1:30 pm)
8	Copyright filing with demonstration	11th May 2024 (4pm to 5 pm )

**Extension Activities**

National Service Scheme of Vidyalankar Institute of Technology, in pursuit of its service to community and society, various activities undertaken in the neighbourhood community are:

Name of the Activity	Organising Unit/ Agency/ Collaborating Agency	Name of the Scheme	Month and Year of the activity	Number of students who participated in such activities
Beach Cleanup	Beach Please NGO	Environmental Awareness	15-Jul-23	28
Orphanage Teaching (Kurla)	Sant Ghadge School	Health Awareness	16-Jul-23	21
Paper Bag Workshop	VIT, Mumbai	Environmental Awareness	30-Jul-23	40
Orientation Program	VIT, Mumbai	Social Awareness	31-Jul-23	51
Beach Cleanup (Mahim)	Beach Please NGO	Environmental Awareness	05-Aug-23	21
Beach Cleanup - Hinduja hospital	Muskurate Raho NGO	Environmental Awareness	06-Aug-23	8
Independence Day - Mahim Orphanage Skit and Dance	Hunar Seekho NGO	Health Awareness	15-Aug-23	31
Beach cleanup (Mahim)	Beach Please NGO	Social Awareness	19-Aug-23	35
Tree Plantation Drive	Muskurate Raho NGO	Social Awareness	20-Aug-23	50
Youth leadership development program	VIT, Mumbai	Social Awareness	25-Aug-23	19
Beach Cleanup (Mahim)	Beach Please NGO	Environmental Awareness	02-Sep-23	8
Mahim Orphanage	Hunar Seekho NGO	Social Awareness	03-Sep-23	10
SGNR Orphanage	Shivprerna NGO	Social Awareness	03-Sep-23	25
Dadar beach cleanup	D&B Cares NGO	Environmental Awareness	09-Sep-23	29
Mahim Orphanage	Hunar Seekho NGO	Social Awareness	10-Sep-23	18
MDACS marathon race	MDACS (Mumbai District AIDS Controls Society)	Environmental Awareness	10-Sep-23	10

Name of the Activity	Organising Unit/ Agency/ Collaborating Agency	Name of the Scheme	Month and Year of the activity	Number of students who participated in such activities
SGNP Orphanage	Shivprerna NGO	Health Awareness	10-Sep-23	22
Anti- Smoking Rally	VIT, Mumbai	Social Awareness	11-Sep-23	57
Books and Stationary Collection Drive	VIT, Mumbai	Social Awareness	15-Sep-23	33
Yoga Session	VIT, Mumbai	Social Awareness	15-Sep-23	51
Carter Cleanup	University of Mumbai	Social Awareness	16-Sep-23	43
Ganpati Visarjan Cleanup (Cleanathon 2.0)	Bhamla & Divyaj	Environmental Awareness	29-Sep-23	33
De-Addiction Rally	University of Mumbai	Social Awareness	30-Sep-23	37
SGNP Orphanage	Shivprerna NGO	Social Awareness	01-Oct-23	28
Bhajan Sandhya	University of Mumbai	Social Awareness	02-Oct-23	35
Disaster Management Workshop	University of Mumbai	Social Awareness	04-Oct-23	19
Gandhi Jayanti Celebration and Non Violence Day	University of Mumbai	Social Awareness	04-Oct-23	13
Mahim Orphanage	Hunar Seekho NGO	Social Awareness	08-Oct-23	10
Streetplay Workshop	University of Mumbai	Social Awareness	09-Oct-23	31
Walkathon	FSSAI (Food Safety and Standards Authority of India)	Social Awareness	21-Oct-23	23
ChocMachar Workshop By CIVS (Introduction and Conclusion)	VIT, Mumbai	Health Awareness	22-Oct-23	51

Name of the Activity	Organising Unit/ Agency/ Collaborating Agency	Name of the Scheme	Month and Year of the activity	Number of students who participated in such activities
Consummation Ceremony For Meri Wasti Mera Desh	University of Mumbai	Social Awareness	28-Oct-23	36
Live Coverage of Meri Wasti Mera Desh from Delhi	University of Mumbai	Social Awareness	31-Oct-23	2
Lecture on Chhatrapati Shivaji Maharaj	University of Mumbai	Social Awareness	31-Oct-23	8
Eco-Friendly Diya Making Workshop	VIT, Mumbai	Social Awareness	07-Nov-23	42
Eco-Friendly Diya Distribution	VIT, Mumbai	Social Awareness	08-Nov-23	13
Polio Vaccination Drive	BMC	Social Awareness	10-Dec-23	22
School Wall Painting	Connect4 NGO	Social Awareness	07-Jan-24	44
Tree Restoration Drive	Muskurate Raho NGO	Environment Awareness	14-Jan-24	22
Sensory Board Making (Priyanj Special School)	Connect4 NGO	Social Awareness	20-Jan-24	10
School Wall Painting (Vinoba Bhave School Kurla)	Connect4 NGO	Social Awareness	28-Jan-24	18
SGNP Teaching Session	Shivprerna NGO	Social Awareness	04-Feb-24	20
International Women's Day Celebration	University of Mumbai	Social Awareness	07-Mar-24	5

NIS-VIT, is committed to creating a healthier and more sustainable society, engages in diverse initiatives. Collaborating with the 'ConnectFor' and 'Beach Please', we've spearheaded impactful beach cleanup drives, transforming Mumbai's beaches into plastic-free zones not only during Earth Day and World Environment Day but every weekend. Partnering with the Beach Please Committee, we've targeted Girgaon Chowpatty to clean the waste left behind after Ganesh Utsav. Our Stray Shelter initiative is dedicated to animal welfare.

Education remains a top priority. We actively participate in disease prevention drives, such as the polio vaccination campaign, and advocate for addiction-free living through the De-addiction Rally. Our Orphanage Teaching Program, conducted in collaboration with Shiv Prerna Prabodhini and Hunar Seekho NGO, focuses on bridging educational gaps in remote slums. With other NGOs, we are also involved in School Painting activities to create better educational spaces. Notably, NISS-VIT integrates social service as part of its academic curriculum through the Social Service Scheme (SSI), a credit-based course. This initiative partners with the Vihangam Centre for Social Welfare, Hariyali, Seva Sahyog, and Mumbai-Gujarati Sangathan, amplifying our impact on societal welfare and encouraging active community engagement among our students. Our holistic health approach includes Yoga Sessions and Nutrition Awareness Programs.

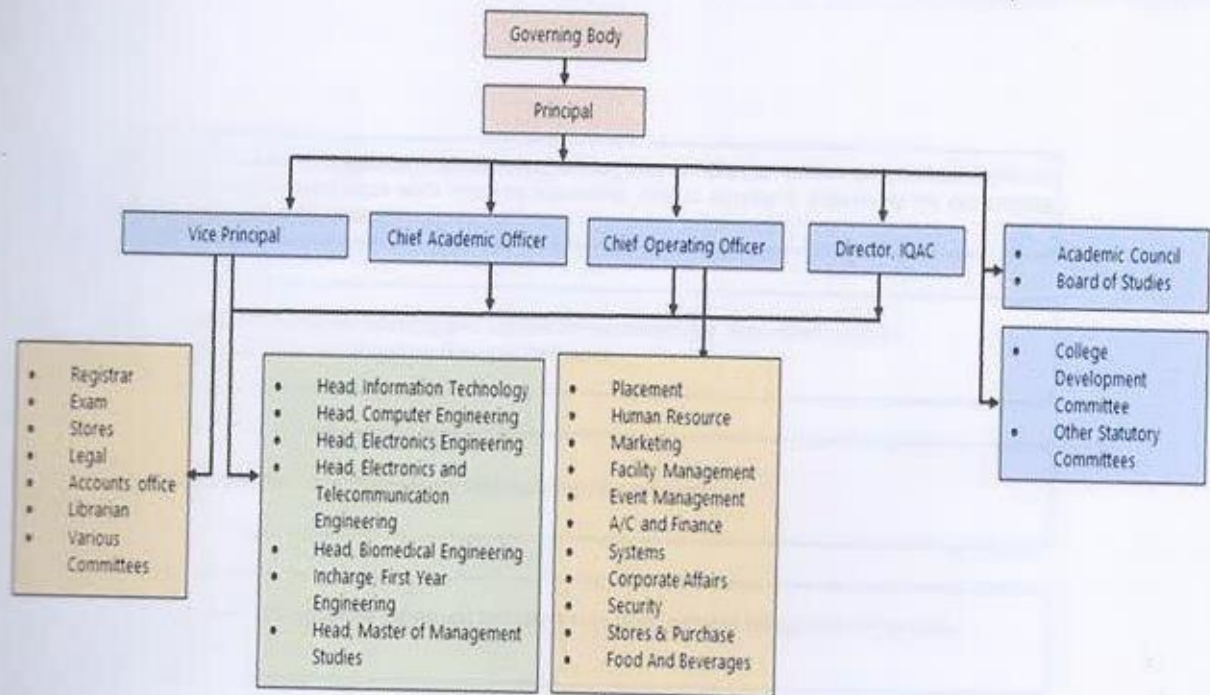
#### **4. GOVERNANCE, LEADERSHIP AND MANAGEMENT**

Vellore Institute of Technology is a teaching learning organization with dynamic leaders and dedicated staff members striving for good institutional governance. The Institute has taken deliberate and consistent efforts steps to bring about continual improvement in the effectiveness of learning experience of the students. Over the years, the Institute has been accredited by various agencies such as NBA and NAAC with excellent grades.

The Institute is managed by a Governing Body (GB) constituted as per the guidelines stipulated by AICTE, which is the apex body governing the Institution. VIT has decentralized its operations and delegated powers to the authorities at various levels to ensure good governance.

- **Principal:** - Academic and Administrative head who monitors the overall functioning of the Institute.
- **Vice-Principal, Chief Academic Officer (CAO) and Chief Operation Officer (COO):** For efficient functioning of day-to-day administration and coordination between various functions.
- **Director, IQAC:** Identification and monitoring of opportunities for continual improvement in institutional processes and practices.
- **Controller of Examination:** For managing the examination process at the Institute. This includes overseeing the conduct of examinations, coordinating the evaluation process, and preparing results.
- **Heads of the Departments:** Ensure curriculum planning, content delivery, feedback, and continual improvement of the Department. Department functionalities are further supported by Department Academic Officer (DAO), Academic Coordinators, Class Teachers and Non-Teaching staff to coordinate the academic and administrative activities.
- **Department Advisory Board (DAB):** Each Department has a Department Advisory Board (DAB) which is an industry-academia interface proactively involved in curriculum enrichment activities, outcome assessment and project quality control.
- **Cluster Mentors (Industry, Academia and Internal):** Identification of gaps in syllabus, strengthening of Academic Administration Plan
- **Special Institute Level Committees:** Helps the students in achieving academic goals.

- Support Services: Supporting services are in place, which include Registrar's Office, Finance and Accounts Department, HR Department, Library, Examination Cell, Training and Placement Office, Scholarship Department, Facility Management, Stores, Systems and Security.



Organogram of the Institute

## 5.1 STRATEGY DEVELOPMENT AND DEPLOYMENT

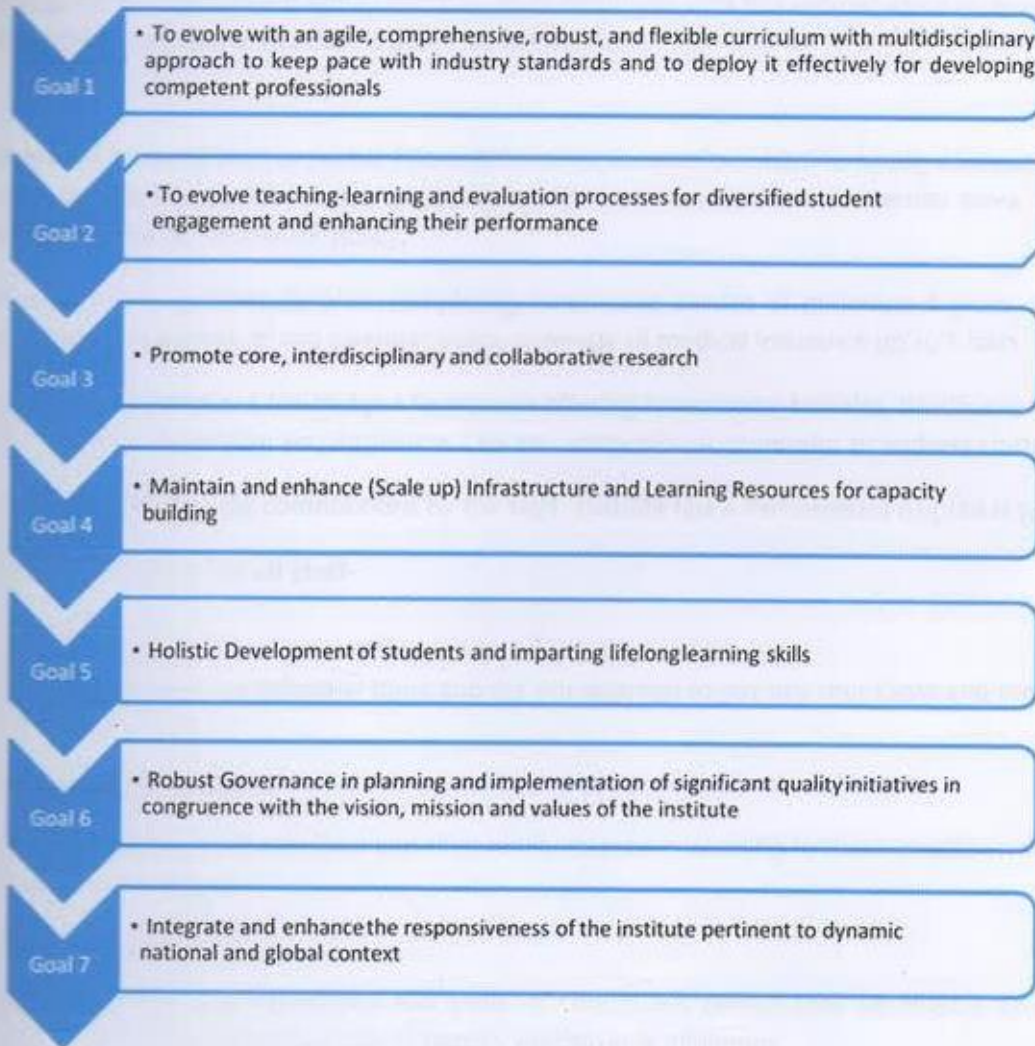
### Preamble

The world is undergoing rapid changes in the knowledge landscape. The global education development agenda reflected in the Goal 4 (SDG4) of the 2030 Agenda for Sustainable Development, adopted by India in 2015 - seeks to "ensure inclusive and equitable quality education and promote lifelong learning opportunities for all" by 2030. With various scientific and technological advances such as the rise of big data, machine learning, and artificial intelligence will lead the many unskilled jobs to be taken over by machines. However, the need for a skilled workforce, particularly involving mathematics, computer science, and data science, in conjunction with multidisciplinary abilities across the sciences, social sciences, and humanities, will be increasingly in greater demand.

Higher education institutes are entrusted with the responsibility to strengthen the workforce which is equipped with a high order of scientific and technological capabilities, robust humanist and philosophical thought and creativity. Thus, every educational institute should have a strategic plan which spells out what it expects to realize in the long run, and continuously strive towards implementing the same. The planning must be constant and persistent, yet adaptive and responsive to rapidly changing conditions.

Government of India has launched its National Education Policy (NEP) 2020 in July 2020. As of now, our college is an affiliated college of the University of Mumbai. In coming years (from 2020-2025) we may expect autonomy status under the mentorship of University of Mumbai than a full-fledged university status. So, Considering the NEP 2020 as a reference point along with our current affiliation with the University of Mumbai, we would like to set following goals and objectives.

### Strategic Goals



## 5.2 STAFF EMPOWERMENT STRATEGIES

The Institute has following empowerment strategies –

The Institute has following effective welfare schemes for the benefit of its teaching and non-teaching staff.

1) **Teaching Staff:** Reimbursement of fees paid for STTP's/Workshops/Conference as per policy, laptops to every faculty to encourage the use of modern teaching aids.

2) **Non-Teaching staff:** Sponsorship/Fee Reimbursement for Workshop/Training as per policy, appointment on compassionate grounds to a dependent family member of an employee who has expired while in service, three sets of uniform to non-teaching staff; the entire cost is borne by the Institute.

3) **All staff:**

- Leave/Reduced teaching load to pursue Masters/Doctoral research provided to faculty completing two years of continuous service, various leaves like casual leave, sick leave, earned leave, maternity leave, study leave and compensatory leave as per the HR policy.
- All staff are eligible for Gratuity after completing continuous service of minimum 5 years, Leave Travelling Concession once in a block of two calendar years, coverage of medical insurance up to 1 lakh.
- First Aid boxes on campus, a full-fledged Gymkhana offering recreational facilities, health awareness programs like yoga sessions, Meditation and Resilience, CPR etc., professional counsellor to address students & Staff.
- To recognize and appreciate contributions by the staff, institute has a Performance Appraisal system.

Following policies are in place for all staff-

i) **Industrial visit**

Staff members are allowed to go on industrial tours and are not required to pay any tour Costs and the expenditure shall be covered by the Institute.

ii) **Leave Travel Concession Policy**

The concession is admissible to staff members and their family members traveling to their hometown and back, once in a block of two calendar years.

iii) **Book Allowance Policy**

Teaching staff members who have completed two years of continuous service shall be eligible to avail of a book allowance per year of Rs 1000 or the actual cost of book/s whichever is minimum.

iv) **Mediclaim Policy**

The Institute has a group Mediclaim insurance policy which offers medical cover for illness and hospitalization up to a specific sum of Rs one lakh per insured staff.

## 6. BEST PRACTICES at the Institute

### Best Practices at Vidyalanakar Institute of Technology

Vidyalanakar Institute of Technology, over a period of 24 years, has developed many best practices which have enhanced the quality of teaching and learning, two of which are explained below:

1. Enhancing Technical Competency through Problem Based Learning
2. Enhancing Learning Experience through Lectures by Faculty of International and National Institutes and Experts from Industry

## 1. Enhancing Technical Competency through Problem Based Learning

### Brief Description of Practice

At VIT, engineers are nurtured to be solution providers. Problem-based learning (PBL) is a learner-centric pedagogy prevalent at VIT in which our students learn technical concepts through the experience of solving an open-ended problem. In PBL, the teaching strategy is hands-on and experiential learning wherein the course instructor presents a problem to the learner for which a feasible possible solution needs to be generated. Through active learning, the students discover and work with content and technology that they determine is necessary to arrive at a solution. PBL emphasizes self-directed learning (as opposed to rote-learning and recall) and promotes groupwork.

### Process

In the process, students are given a list of problems to choose from which are well-defined and carefully compiled by the course instructors. Problem statements are identified by current demands in research and industrial applications, and service to community. One major source of PBL statements is published hackathon statements, which are basically derived by industrial experts as per their requirements. The PBL methodology is implemented across all programs and in many courses. It is mandatory inclusion in almost all lab courses. Students discuss the chosen problem statement and list its significant parts and its possible solutions with use of appropriate technological tools. In the process, students gather information and learn new concepts, principles, or skills as they engage in the problem-solving process. Their problem-solving skills are honed through internal hackathons.

### Outcomes

PBL led to major significant reforms at VIT. By implementing PBL methodology, teachers are transformed to being "facilitators" rather than being mere "disseminators" who will help learners to develop intrinsic interest in the subject through problem analysis, discussion, and implementation of most feasible solutions. Learning through PBL results in enhanced creative thinking skills and enables us to probe the students for higher order thinking skills (like apply, analyse, evaluate, and create). Students get an opportunity to work on real life problems. The emphasis of content delivery is more towards an application-based approach instead of merely teaching theory. One of the outcomes of the implementation of PBL is that over the years, VIT students have been consistently bagging top prizes by winning various prestigious competitions at national level (Smart India Hackathon, Kavach, NABARD Hackathon, Technicians) while solving industry-level problems in software as well as hardware editions. Some examples on which our students provided award-winning solutions are "Financial inclusion in Remote Areas: Digital Financial services for unconnected Regions", "Real time accident identification and alerting emergency systems" by Maruti Suzuki, "Lack of Information about Academic Activities on a single platform" by AICTE.

VIT is equipped with all the resources and the lab infrastructure required for the implementation of PBL which is now a well-established outcome-based and best practice at the Institute.

2. Enhancing Learning Experience through Lectures by Faculty of International and National Institutes and Experts from Industry

### Brief Description of Practice

VIT has always believed in providing an enriched learning experience for our student community. Guest lectures by experts from industry as well as other academic institutions are a well-established practice in the teaching-learning process at the Institute. One guest lecture per course per semester is mandatory since 2014, which is a unique practice at the Institute. Taking this practice to the next level, VIT has initiated a practice of an entire course to be conducted by external instructors from universities abroad or prestigious academic institutions like IITs or NITs or by industry personnel to enable sharing of cutting-edge technology.

### Process

Once the course and the appropriate external faculty are identified, the execution of the course is planned and the resources required are identified. The external faculty are supported by an internal shadow teacher, who is assigned to take responsibility for the course operational support and personalized learning assistance of the learners. In case the external faculty member is not always available, the shadow teacher steps in to support the learners in case of queries, assessment, or feedback on projects. The course may be conducted online, offline, or in blended mode. This practice was initiated in the Academic Year 2022-23 at the Institute, and is being implemented for students of second year, third year and final year of engineering.

For instance, the course "Analysis of Algorithm" was conducted by Prof. Dr. Rajiv Gandhi (Professor at Rutgers University) in online mode for the fourth semester students of Second Year Computer Engineering. On similar lines, the course Data Mining & Business Intelligence was conducted by Mr. Vishal Bhalla, CTO of a company based in the USA, in online mode for the sixth semester students of Third Year Information Technology. At the Institute level, the students' learning and assessment were supported by internal faculty from the respective Departments under the concept of shadow teaching for these two courses. As per the Institute's provisions of Autonomous rules and regulations, these faculty have changed the method of evaluation in tune with their pedagogical approach.

### Outcomes

Such lectures by external instructors are an opportunity for learners to be acquainted with alternative technologies, diverse perspectives, information from varied sources, and sharing of professional experiences by experts. It also offers opportunities to the faculty members to collaborate with external resource personnel and enrich their academic preparation and get valuable exposure to industry applications and experiences. Students' feedback is also observed to be good with such initiatives.