



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

ATTENDANCE SHEET

16th PLANNING & MONITORING BOARD MEETING
ON 18.03.2023 AT 10.30 am
VENUE: INTERNATIONAL CONFERENCE HALL

S.No	Name	Designation	Signature
1	Prof. Dr. S. Salivahanan, Vice Chancellor, Vel Tech.	Chairperson	S. Saliva
2	Dr. S. Shanmugavel, Formerly Registrar, Anna University, Director, National Engineering College, Kovilpatti Contact No. 76677386392/ 9488702250 Email: director@nec.edu.in	External Member	
3	Dr. B. Ramamoorthy, Formerly Professor, IIT, Madras Advisor (Academic) PSG Institutions, Coimbatore Contact No. 6374276969 / 9444468293 / 98421 32605 Email: advisor.academic@psgtech.ac.in , ramool955@gmail.com	External Member	
4	Dr. Ligy Philip, Professor, Dept. of Civil Engineering, IIT, Madras, Chennai Contact No. 044- 22574274 Email: ligy@litm.ac.in	External Member	
5	Dr.A.T.Ravichandran, The Dean (Academics), Vel Tech.	Internal Member	
6	Prof. S. Irudayaraj, Dean (SoMC), Vel Tech.	Internal Member	
7	Prof. M. Sivakumar, Dean (FME), Vel Tech.	Internal Member	



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S.No	Name	Designation	Signature
8	Dr. P. Chandrakumar, Dean (Industry Relations), Vel Tech.	Internal Member	
9	Dr. B. Nagalingeswara Raju, Dean (Hostels), Vel Tech.	Internal Member	
10	Prof. Dr. E. Kannan, Registrar, Vel Tech.	Secretary	

S. Sahin
Vice Chancellor



Vel Tech
Rangarajan Dr. Sagunthala
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THE 16th MEETING OF THE PLANNING AND MONITORING BOARD

scheduled on 18.03.2023 at 10.30 A.M

VENUE: INTERNATIONAL CONFERENCE HALL

AGENDA

A. OPENING	
16.1	To record the notice of convening 16th Meeting of the Planning and Monitoring Board on March 18, 2023.
16.2	To consider the minutes of 15th Meeting of the Planning and Monitoring Board held on March 25, 2022.
16.3	To review the action taken on the decisions of the previous meeting held on March 25, 2022.
16.4	To approve and record the Agenda of the 16th Meeting of the Planning and Monitoring Board on March 18, 2023.
16.5	To inform the Board about the leave of absence of the members.
B. ITEMS FOR CONSIDERATION AND APPROVAL	
16.6	To consider and recommend the establishment of New building facilities / amenities.
16.7	To discuss the proposed intake of students to different UG and PG programmes of this Institution for the Academic year 2023-24.
16.8	To discuss and introduce the new specialization - Internet of Things (IoT) in B.Tech. (ECE) with the support of Centre of Excellence by Industry
16.9	To discuss and develop the e-content material in the form of Videos for minimum of 2 courses in each department in every semester.
C. ITEMS FOR DISCUSSIONS AND DECISIONS	
16.10	To discuss the plan of action and assignment of tasks to various Deans/HoDs in the process of attainment of goals as per the Strategic Plan.
D. ITEMS FOR REPORTING	
16.11	To report the NAAC assessment of accreditation to the Institution in the second cycle.
E. CONCLUSION	
16.12	Any other item with the permission of the Chairperson.
16.13	To fix the date for holding the next meeting of the Planning & Monitoring Board.
VOTE OF THANKS	

MEMBERS OF THE BOARD

- | | |
|--|-----------------|
| 1. Prof. Dr. S. Salivahanan,
Vice Chancellor,
Vel Tech. | Chairperson |
| 2. Dr. S. Shanmugavel,
Formerly Registrar of Anna University,
Director of National Engineering College,
Kovilpatti. | External Member |
| 3. Dr. B. Ramamoorthy,
Formerly Professor, IIT, Madras
Advisor (Academic)-PSG Institutions,
Coimbatore. | External Member |
| 4. Dr. Ligy Philip,
Professor, Dept. of Civil Engineering,
IIT, Madras, Chennai. | External Member |
| 5. Dr. A.T. Ravichandran,
Dean (Academics),
Vel Tech. | Internal Member |
| 6. Dr. S. Irudayaraj,
Dean (SoMC),
Vel Tech. | Internal Member |
| 7. Prof. M. Sivakumar,
Dean (FME),
Vel Tech. | Internal Member |
| 8. Dr. P. Chandrakumar,
Dean (Industry Relations),
Vel Tech. | Internal Member |

- | | |
|--|-----------------|
| 9. Dr. B. Nagalingeswara Raju,
Dean (Hostels),
Vel Tech. | Internal Member |
| 10. Prof. Dr. E. Kannan,
Registrar,
Vel Tech. | Secretary |

MINUTES OF THE 16th MEETING OF THE PLANNING AND MONITORING BOARD

A. Opening

The Chairperson extended a warm welcome to the members especially the external members for participating in the meeting amidst their busy schedules and the internal members. The Chairperson has highlighted some of the significant academic activities took place in the academic year 2022-23 such as Induction programme, commencement of offline classes, 12th convocation, AICTE / BCI approval for the degree programmes, IEEE Seminar, LAVAZA 23 (the intercollegiate cultural student mega fest) Funded projects, Research publications etc. in detail.

The Chairperson informed that he was much elated to inform the august members about the accreditation by the NAAC with A++ to this institution in the second cycle. The proceedings started after the welcome address of the Chairperson.

- 16.1 To record the notice of convening 16th Meeting of the Planning and Monitoring Board on March 18, 2023.

The meeting notice has been sent to all the members on 01.03.2023 and a copy of the meeting notice is placed at Appendix-A.

A. 16th P&M Meeting Notice



Appendix-A Click here

RESOLVED to record the notice convening 16th Meeting of the Planning and Monitoring Board on March 18, 2023.

- 16.2 To consider the minutes of 15th Meeting of the Planning and Monitoring Board held on March 25, 2022.

A copy of the minutes of the 15th meeting of the Planning and Monitoring Board is placed at Appendix-B.



Appendix-B Click here

RESOLVED to approve and record the the minutes of 15th Meeting of the Planning and Monitoring Board held on March 25, 2022.

- 16.3 To review the action taken on the decisions of the previous meeting of Planning and Monitoring Board held on March 25, 2022.

Table 1: Action Taken Report

Item.No	Subject	Decision	Action Taken
15.5	To consider and recommend the establishment of New building facilities / amenities.	The Board has approved the status of establishment of New buildings, facilities / amenities.	The pending construction work of Hostel F Block First floor and Structural lab have been completed.
15.6	To discuss and approve the Strategic Plan 2021-26 of this Institution.	During discussion, the external members suggested to make use of NPTEL, increase the intake of PG Students, conduct more no. of International conferences on yearly basis, and encourage alumni interaction.	Taken note of the suggestions of the external members. The Action Plan has been drawn wherein tasks assigned to different Deans and Heads for the successful implementation of various targets as per the Strategic Plan are demarcated.
15.9	To discuss the activities connected with Industry relations during the academic year 2022-23.	Prof. Ramamurthy suggested that the industry experts handling one or two credit courses related to industries may be designated as Visiting Faculty members under the adjunct faculty scheme in force in many institutions.	In addition to the existing adjunct faculty members, few more adjunct faculty members from Industries have been appointed in 2022-23. Presently the Industry Relations office is utilizing the services of 8 Adjunct faculty members and in the office of the International Relations, there are 48 Adjunct faculty members available.

RESOLVED to approve and record the action taken on the decisions of the previous meeting of Planning and Monitoring Board held on March 25, 2022.

- 16.4 To approve and record the Agenda of the 16th Meeting of the Planning and Monitoring Board on March 18, 2023.

RESOLVED to approve and record the Agenda of the 16th Meeting of the Planning and Monitoring Board on March 18, 2023.

- 16.5 To inform the board about the leave of absence of the members.

The Chairperson informed that Dr. Ligy Philip conveyed his inability attend the meeting due to pre-occupation.

RESOLVED to record the leave of absence of Dr. Ligy Philip.

B. Items for Consideration and Approval

- 16.6 To consider and recommend the establishment of New building facilities / amenities.

Prof. Irudayaraj, Dean, (SoMC) has presented a note on establishment of new building facilities / amenities and Prof. B.Nagalingeswara Raju, Dean (hostels) presented the details of the Hostel buildings proposed to be constructed in this academic year as in the Appendix -C given below.

Prof. B. Ramamoorthy informed that virtual campus tours are becoming more and more popular. The invention, and continued innovation, of virtual reality (VR) technology has allowed colleges and universities to offer virtual campus tours through the website in the home page. Providing a virtual tour that gives an immersive experience of the campus and teaching facilities helps increase enquiries and applications from overseas students and the member suggested that Vel Tech could provide virtual tour covering different schools and other locations like research park, centre of excellence, TBI, laboratories, hostels etc. which might be largely helpful to the viewers intending to know about various facilities and amenities in the institution campus through the Website.

C. Establishment of New Building



[Appendix-C Click here](#)

RESOLVED to approve the establishment of New building facilities / amenities.

- 16.7 To discuss the proposed intake of students to different UG and PG programmes of this Institution for the Academic year 2023-24.

Prof. E. Kannan, Registrar presented a note on the intake of students to different Under Graduate, Post Graduate programmes of this Institution in Engineering & Technology, Arts, Science, Management and Law for the Academic year 2023-24 as in the table given below:

PROPOSED INTAKE FOR THE ACADEMIC YEAR 2023-24.

Table 2: UNDER GRADUATE - ENGINEERING PROGRAMMES

S.No.	Programme	Proposed Intake 2023-24
1	AERONAUTICAL ENGINEERING	60
2	ARTIFICIAL INTELLIGENCE (AI) AND DATA SCIENCE	60
3	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	60
4	BIOMEDICAL ENGINEERING	60
5	BIOTECHNOLOGY	60
6	CIVIL ENGINEERING	60
7	COMPUTER SCIENCE & ENGINEERING	1104
8	COMPUTER SCIENCE AND DESIGN	60
9	COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	60
10	COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)	60
11	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	60
12	ELECTRICAL AND ELECTRONICS ENGINEERING	60
13	ELECTRONICS & COMMUNICATION ENGINEERING	480
14	INFORMATION TECHNOLOGY	60
15	MECHANICAL ENGINEERING	60
TOTAL		2364

Table 3: POST GRADUATE - PROGRAMMES

S.No.	Programme	Proposed Intake 2023-24
1	AERONAUTICAL ENGINEERING (UNMANNED AERIAL VEHICLE)	18
2	BIG DATA ANALYTICS	18
3	BIOTECHNOLOGY	18
4	COMPUTER SCIENCE AND ENGINEERING	18
5	EMBEDDED SYSTEMS AND TECHNOLOGIES	18
6	ENVIRONMENTAL ENGINEERING	18
7	INDUSTRIAL SAFETY AND ENGINEERING	18
8	INFORMATION AND CYBER SECURITY	18

S.No.	Programme	Proposed Intake 2023-24
9	METALLURGICAL AND MATERIAL SCIENCE ENGINEERING	18
10	NETWORK ENGINEERING	18
11	POWER ELECTRONICS	18
12	STRUCTURAL ENGINEERING	18
13	MASTER OF BUSINESS ADMINISTRATION	120
TOTAL		336

Table 4: UNDER GRADUATE and POST GRADUATE - ARTS & SCIENCE PROGRAMMES

S.No.	Programme	Proposed Intake 2023-24
1	B.Com.	360
2	B.B.A	60
3	B.SC VISUAL COMMUNICATION	30
4	B.SC MULTIMEDIA	30
5	B.A. L.L.B (Hons.)	120
6	B.Com. L.L.B (Hons.)	120
7	M.A., English	30
8	M.Sc., Mathematics	30
9	M.Sc., Physics	30
10	M.Sc., Chemistry	30
11	M.Sc., Data Analytics	30
TOTAL		870

Prof. B. Ramamoorthy suggests that wherever the department wise intake of students are given, it will be appropriate to mention the department wise FSR ratio also so that it will help to ensure whether the Institution maintaining the prescribed FSR ratio for all programmes or otherwise.

RESOLVED to approve and record the proposed intake of students for different UG and PG programmes of the institution for the academic year 2023-24.the establishment of New building facilities.

- 16.8 To discuss and introduce the new specialization - Internet of Things (IoT) in B.Tech. (ECE) with the support of Centre of Excellence by Industry.

Dr.P.Chandrakumar Dean (Industry Relations) presented a detailed note on the the programme and modus operandi as in the Appendix-D.

D. Internet of Things (IoT)



[Appendix-D Click here](#)

Prof. Shanmugvel states that with a view to enhance the employability skills and impart indepth knowledge in emerging areas which are usually not being covered in Undergraduate Degree credit framework, AICTE has come up with the concept of 'Minor Degree' in emerging areas. Minor Degree will carry 18 to 20 credits in addition to the credits essential for obtaining the Under Graduate Degree in Major Discipline i.e. 160 credits usually especially in areas like Artificial Intelligence and Machine Learning, Cyber Security, Data Science, Internet of Things (IoT) etc.and he suggests that the B.Tech. IoT of Vel Tech industry supported programme may also be on the same norms and guidelines.

Prof. B. Ramamoorthy opines that with the support of Industry partners, Vel Tech can conduct value added courses with certification at the end or to consider it as a minor degree for disciplines not only for ECE.

RESOLVED to approve the proposal to introduce the new specialization - Internet of Things (IoT) in B.Tech. (ECE) with the support of Centre of Excellence by Industry.

- 16.9 To discuss and develop the e-content in the form of Videos for minimum of 2 courses in each department in every semester.

Prof. A.T. Ravichandran, Dean(Academics) presented the details of e-content material and the faculty members, who are going to develop e-content videos on the corresponding e-content materials for different courses .A chart showing the details is placed at Appendix-E.

Appendix-E Click here

E. e-content courses



Prof. B. Ramamoorthy states that the aim of the digital university establishment is to increase the access of higher educational services for the youth and students of India. He pointed out that the Govt. of India in its budget 2022-23 has announced establishment Digital University. The UGC has also notified that 40% of the academic work to be carried out through online. He emphasizes the video lectures to be of good quality in all aspects.

The Video and sound quality should be good enough for which a considerable amount has to be spent from the budget and he hopes that all these initiative will make the attempt reasonably successful. Prof. S.Shanmugavel endorsed the view of Prof. B. Ramamoorthy saying that it is a big task to be undertaken upholding the name and fame of this reputed Institution.

RESOLVED to approve the proposal for developing the e-content in the form of Videos for minimum of 2 courses in each department in every semester.

C. Items for Discussion and Decision.

- 16.10 To discuss the plan of action and assignment of tasks to various Deans/HoDs in the process of attainment of goals as per the Strategic Plan.

Dr. M. Rajeev Kumar, Dean(Quality Assurance) presented the assignment tasks entrusted to the Deans and HoDs of the Institution for the accomplishment of goals as per strategic plan and the chart is put up at Appendix-F.

E. Plan of Action



Appendix-F Click here

After elaborate discussions on various aspects specified in the Assignment task, the external members have suggested that the FSR for Arts and Science which was shown as 1:25 would be made 1:20 on the basis of NIRF requirement. Secondly, the members have agreed upon the initiative stipulated to increase 20% qualified faculty members until the target is completed and they advised to fix the target.

The Dean (Quality Assurance) ensured that action would be taken suitably in consultation with the authorities. The third suggestion of the external members was to include a target stipulation for citation index in the assignment task.

RESOLVED to approve and record the plan of action and assignment of tasks to various Deans/HoDs in the process of attainment of goals as per the Strategic Plan.

D. Items for Reporting

- 16.11 To report the NAAC assessment of accreditation to the Institution in the second cycle.

Dr. M. Rajeev Kumar, Dean (Quality Assurance) presented the Categories and the CGPA obtained category wise at the NAAC Accreditation in detail.

G. NAAC assessment



Appendix-G Click here

Dr. Prof. Shanmugavel suggested competency evaluation to the teachers once in a year or once in two years will definitely enhance the quality of teaching by inviting outside experts so that the teachers would be aware of improving their teaching skill. Prof. Ramamoorthy has endorsed the view of Prof. Sakthivel suggested that expert teachers should be invited to deliver special lectures on some topics on hourly basis to inspire the teachers of this Institution to know how the experts are making use of their talents as to their way of teaching, way of interaction and with other techniques. Prof. B. Ramamoorthy pointed out an example as how Prof. Pandurangan, Professor of Computer Science and Engineering, IIT Madras use to teach various concepts of computer science and engineering in classroom using only talk and chalk method without using Power Point or whatever be the modern tools so extensively in his classroom and

Prof. B. Ramamoorthy has also pointed out that currently in the VIT Chennai campus B.Tech in CSE, EEE, ECE, and Mechanical Engineering are accredited by ABET while in Vellore Campus, B.Tech in Biomedical, Civil, CSE, ECE, EEE, E&I, Information Technology, Mechanical Engineering and Mechanical with specialization in Automotive Engineering are accredited by ABET. In the US, an engineering program should be accredited by ABET, and the college/University as a whole should be accredited by the regional accreditor. He suggested that Vel Tech might also go for ABET ranking as the Institution is deserved.

Dr. M. Rajeev Kumar, Dean (Quality Assurance) informed that the suggestions of the members would be taken note of for exploring the feasibility for implementation.

RESOLVED to record the report of the NAAC Accreditation in respect of Vel Tech in the Second Cycle.

E. Conclusion

- 16.12 Any other items with the permission of Chairperson.

No item other than the agenda items included in the Agenda was taken up for discussion.

- 16.13 To fix the date for holding the next meeting of the Planning and Monitoring Board.

It has been decided to hold the next meeting of the Planning and Monitoring in March 2024.

VOTE OF THANKS.

Prof. E. Kannan has thanked all the members particularly the external members for attending the meeting, actively participating in the discussions and offering valuable suggestions. He informed that the suggestions of the members would be included in the minutes which would be sent to all the members shortly for approval.



MINUTES OF THE 15th MEETING OF THE PLANNING AND MONITORING BOARD

on 25-03-2022 at 10.00 A.M

Mode: Video Conference

MEMBERS

- | | |
|---|-----------------|
| 1. Prof. Dr. S. Subudaram,
Vice Chancellor,
VIT-V | Chairperson |
| 2. Dr. S. Srinivasan,
Formerly Registrar of Anna University,
Director of National Engineering College,
Kovilpatti. | External Member |
| 3. Dr. H. Ramamurthy
Formerly Professor, IIT Madras
Advisor (Academic) -PSG Institutions,
Coimbatore | External Member |
| 4. Dr. Vijay Pillai
Professor, Dept. of Civil Engineering,
IIT Madras, Chennai. | External Member |
| 5. Dr. A.T. Ravichandran
Dean (Academics),
VIT-V | Internal Member |
| 6. Prof. B.S. Vahumathi,
Dean (Quality Assurance),
VIT-V | Internal Member |

Dr. S. L. G. Wijaya, Deputy SVVP Vel Tech	External Member
Dr. J. M. S. Lakshmi, Dean of MKU Vel Tech	Internal Member
Dr. P. Chinnarasimhan, Deputy Director of Engineering, Vel Tech	Internal Member
Dr. B. Nageshwar Rao, Dean of Health, Vel Tech	Internal Member
Prof. Dr. E. Kannan Registrar Vel Tech	Secretary

A. Opening

The Chairperson, in his welcome address, conveyed thankfulness for all the members for attending the meeting. He highlighted certain important academic activities such as commencement of classes, conduct of end semester examinations, conduct of 11th convocation, award of degrees including Honorary degree to Dr. B. Venkatarangam, Director, IGCAR, Kalpakkam, submission of SSH to the NAAC and SAR for NBA. He has also conveyed the message about the participation of a student of the School of Law Ms. Harini at the Republic Day ceremony at New Delhi, who is the only NCC cadet participated in the Republic Day rally on 26.01.2022 at New Delhi from the state of Tamil Nadu.

After the welcome address, the proceedings were started.

- 15.1 To record the notice of convening 15th Meeting of the Planning and Monitoring Board on March 25, 2022.

The meeting notice has been sent to all the members 15.09.2022 and a copy of the meeting notice is placed at Appendix-A

A. 15th P&M Meeting Notice



Appendix-A Click here

RESOLVED to record the Meeting Notice of the 15th meeting of the Planning and Monitoring Board

- 15.2 To consider the minutes of 14th Meeting of the Planning and Monitoring Board held on May 22, 2021.

The minutes of the 14th meeting of the Planning and Monitoring Board are placed at Appendix-B

B. 14th P&M Meeting Minutes



Appendix-B Click here

RESOLVED to approve and record the minutes of the 14th meeting of the Planning and Monitoring Board.

- 15.3 To review the action taken on the decisions of the previous meeting of Planning and Monitoring Board held on May 22, 2021.

Table 1: Action Taken Report

Item No	Subject	Decision	Action Taken
14.5	Agreement on Policy	The Board discussed in detail on the following policies: 1. Research Policy 2. Innovation and Startup Policy 3. Entrepreneurship and Venture Capital Policy 4. Strategic Information and Cyber Security Policy 5. IIT Policy	The contents suggested by the Board have been incorporated.
14.7	Approval of new courses	The Board approved the proposal regarding B.Tech program in: 1. Artificial Intelligence and Data Science 2. Artificial Intelligence and Machine Learning 3. Computer Science and Data Science	The process, approved by the ABTIL and it was implemented.

RESOLVED to record the action taken on the decisions of the previous meeting of Planning and Monitoring Board held on May 22, 2021.

- 15.4 To inform the board about the leave of absence of the members.

The Chairperson informed that Dr. Ligy Philip was absent for the meeting due to some unavoidable reasons.

RESOLVED to record the leave of absence of Dr. Ligy Philip due to unavoidable reasons.

B. Items for Consideration and Approval

15.4 To consider and recommend the establishment of New building facilities, amenities.

From 1994 to 1996, the company has been in the status of the state of liquidation. New building facilities, materials, etc. follow.

Table 1. Generalized linear model of the effect of age on the probability of being a victim of a crime.

S.No.	Planned in P&M 2020	Rolling Sqd	Starts on 21.03.2022	on
1	Leakage Neutral C Block/Cold Loss	7.12%	Completed	
2	Commissioning of Ductile Iron Leakage Head	1.75%	Completed	
3	Sanitizing the 220 KV Tower Base - 3 tower, 1 tower starts the tower 2.12 to 13.12, the first 13.01		Completed	

Table 4. Regression analysis

S.No.	To be discussed in P&M 2021	Building Sqft.	Status
1	Phase II of Block - First Floor - 11 Rooms to be Completed	7322	Work in Progress and it will be completed prior to before June 2021
2	Cell Engraving, 2 point roof, Stairs and Lab Upgrade Furnish Construction Work	1175	Work in Progress and it will be completed prior to before June 2021

RESOLVED to record the status of establishment of New building facilities / amenities

15.6 To discuss and approve the Strategic Plan 2021-26 of this Institution.

Prof. E. Kizman presented various aspects of the Strategic Plan for Academics, Research and Industrial Relations and explained the set-out targets and goals with key indicators as in the draft copy of the Strategic Plan. He has also brought to the notice of the members regarding the previous strategic plan and achievement of proposed goals pertaining to the increase of students strength, increase in the International faculty members, creation of centres of excellence, introduction of new courses such as B.Arch, Media Studies and Law and the percentages of achievement. Prof. E. Kizman pointed out the proposed plans under various categories for achievement during the Strategic Plan period 2021-26. He also requested all the members to go through the draft Strategic Plan and to offer their valuable inputs sooner or later for incorporating them appropriately.

Dr. P. Chandra Kumar, Deputy Director, B-Block, outlined the Institute's different activities sponsored by B-Block, such as the creation of Skill Parks, Centre for Incubation, Support to IISL, BDT and other funding agencies. He explained how the Institution is planning to achieve the future needs as proposed in the Strategic Plan with the help of a graph – a diagrammatic chart in his presentation.

Dr. Balasubramanian, Dean (Acad.), presented the progress of B-Block in the development activities under the heads: Projects, research, departments, courses and papers, promoting industry related activities, improving publications, citations, increasing research centres. Academic related goals, research projects etc. – Monitoring the achievements and proposed goals in the Strategic Plan period 2021-26 – etc.

Dr. P. Suresh, Deputy International Relations, explained the activities carried out at the office of the International Relations and the plan to increase the international faculty members, Student Exchange programmes etc. as indicated in the Strategic Plan with future plans to improve the studies under different heads.

Prof. Sharmistha, the external member pointed out that the progress of Faculty Exchange Programmes and international collaboration appears to be moderate and emphasized the need for strengthening team. He felt that focus should be given to get more active MoUs and to conduct more number of semester abroad programmes. He appreciated that the other features mentioned in the Strategic Plan are in order.

The following are the suggestions given by Prof. Ramanantly, the other External member:

1. Motivating the faculty members to acquire Ph.D., which should be made mandatory.
2. Improvement of faculty / students self learning capacity by sponsoring them to online courses through NPTEL, an Indian learning platform for university-level science, technology, engineering, and mathematics subjects and other platforms.
3. Reimbursements of expenses incurred on sponsoring the faculty members by the institution, itself to the maximum extent.
4. The percentage of placements should be calculated on the basis of admitted students as per the approved intake by AICTE and the selected students for placements and not on the basis of the participated students and selected students in the placement processes.
5. Increase and improve the number of PG Courses and students getting admission to PG Courses in the thrust areas.
6. Conduct of more number of International Conferences on yearly basis.
7. To monitor the Faculty members registered for Ph.D., whether are completing the programme within the stipulated period.
8. Tracking the students going for higher studies and to see how they are progressing.
9. To provide GATE coaching to the students.
10. Improvement of Learning Management systems, Increasing the number of IoT enabled classes.
11. Improvement of Laboratories with required budgeting and support.
12. Tracking of Alumni whereabouts and conducting Alumni meetings periodically.



Appendix-C [Click here](#)

RESOLVED to approve and reward the strategic plan 2021-26.

15.7 To discuss and approve the revised policies of the Institution.

Prof.E. Keerthi presented various policies and procedures. Prof. E. Keerthi explained as how the policies have been brought on bringing in more the success and vision of this Institution and to have a glimpse of the important policies and procedures relating to Campus Maintenance and infrastructure development, Information Technology Policy, Scholarship Policy, Reservation Policy and other procedures involved in Semester registration, course realisation, course realisation, Faculty appraisal, promotions etc. as per the Appendix D for discussion and approval.

D. Revised Policies



Appendix-D [Click here](#)

Dr. Balasubramanian (Dee. R&D) has Highlighted the features of IPR Cells, guidelines of patents while presenting the IPR Policy. Dr. Chandrakumar, Deputy Industry Relations presented the unique features of Conscience Policy with the explanation as how the system sponsored by the Automobile company to and around the Institute is conducive for promoting industry related activities at this Institution. He explained the details of the start-ups, the methodology, facilities given to the faculty members and students to motivate them to take up business start-ups in detail.

Prof. Ramamurthy, the External members suggested that it will be good if the Institution allocates sufficient grants for some important start-ups and motivate the entrepreneurs to take up more number of start-ups as it will add some return. Secondly, it pointed out that Plagiarism mechanism should be used for all documents including M. Tech / B Tech theses in addition to applying it in the cases of Ph.D. theses and project proposals.

Prof. B. Prasad, Chairman, suggested that the Academic Auditing should be conducted with the help of proposed chairpersons located at higher levels, so that, get the desired faculty and other facilities, have them in the colleges. Prof. B. Prasad, Chairman, Madhav Education Trust, RVB, explained that the government is only tied to all the documents including those prepared by themselves. For the students and members who the admission is made up to 100%. The Downstreaming Relations continue, allocation of grants for startups.

RESOLVED to approve and record the revised policies of the Institution.

- 15.8 To discuss and approve the new courses and facility to be established in the academic year 2021-22.**

Prof. K. Kamesh suggested that the MCET, the competent authority for the grant of approval for new programs and intake of students, suggested that the proposed new courses to be offered at the Institution should be a course that shall be from the emerging areas or emerging disciplines as specified by the MCET approval Handbook.

On receipt of the MCET's approval Process Handbook, the Institution would consider the feasibility of offering new courses under the emerging areas of engineering.

The External members have suggested to offer the new course in these emerging Cyber Security is one such area. They have specifically mentioned that the reasons for which the admissions are less may be listed down. The community of these courses would affect the NIRF Ranking. Prof. K. Kamesh pointed out that there is extraordinary demand for some courses as in the case of M.Tech., Safety Engineering, which has been approved by the Government of Tamil Nadu. Prof. Srinivasan suggested that the Institution may get any inputs for the advancement of course contents of M.Tech. Safety Engineering from Prof. Sankaranarayanan who was instrumental in introducing M.Tech. in Safety Engineering at RVB, India (now called NIT, Trichy). The Government listed up the non-viable PG courses closed down in the last two academic year.

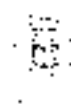
RESOLVED to approve and record approve note presented in connection with the starting of the new courses and facility in the academic year 2021-22.

C. Items for Discussion and Decision.

- 15.9 To discuss the activities connected with Industry relations during the academic year 2021-22**

The New Industry Relations presents various activities connected with the Industrial Relations under different headings such as Credit Course during the summer semester of the Academic Year 2021-22, Industry Projects - 2021-22, MCET signed Consultancy Projects and FDPs as in the Appendix E.

E. Industry Relations



Appendix-E [Click here](#)

Prof. Ramakrishna suggested that the industry experts handling the course credit courses related to industries may be designated as Visiting Faculty members under the visiting faculty scheme in place in many institutions.

RESOLVED to record the activities connected with Industry relations during the academic year 2021-22.

D. Items for Reporting

15.10 To record the status of submission of SSR to NAAC.

Dr.Rajsekhar of Quality Assurance Cell reported that the Institutional Information for Quality Assessment (IIQA) was submitted to the NAAC on 20.12.2021. After the initial verification, the IIQA has been accepted by the NAAC on 25.01.2022 and given approval for Self Study Report (SSR) submission. Subsequently, the SSR of the state has been submitted to NAAC on 09.02.2022.

The Student Satisfaction Survey (SSS) and clarification of DUV are under progress.

RESOLVED to record the status of submission of SSR to NAAC.

15.11 To record the ranking and recognition to our Institution.

Dr.Rajsekhar of Quality Assurance Cell reported the ranking by International and National agencies under various categories as given below:

1. International Ranking.

Times Higher Education (THE):

Vit Tech is ranked in the band 801-1000 in Times Higher Education World Universities Rankings 2022 for the first time out of 1002 ranked institutions in the Globe. The institution stands at 15th position out of 71 ranked institutions from India. Times Higher Education is created to assess the Universities' performance on the global stage and to provide a resource for readers to understand the different missions

and Council of Higher Education, Government of India. THE rankings cover data from 1000+ Indian Universities and colleges. For more details, visit <https://www.the.edu.in> Paper 1, Paper 2, Higher Education World University Rankings 2022 multiple measures and 1,000+ Universities across 100 countries and territories ranked in the largest and most diverse University rankings to date.

In addition, the institution has also been ranked in the following categories which are ranked by THE

THE Impact Ranking 2021: Ved Tech has been ranked under the following Sustainable Development Goals (SDGs)

- SDG 6: Clean Water and Sanitation – 201 – 300 band in the World
- SDG 9: Industry, Innovation and Infrastructure – 201 – 300 band in the World
- SDG 10: Reduced Inequalities – 401 – 600 band in the world
- SDG 17: Partnership for the Goals – 801 – 1000 band in the world

THE World University Rankings 2022 by Subjects

- Engineering – Band 601-800
- THE Emerging Economies University Rankings 2022 – Band 351-471
- THE Young University Rankings 2022 – Band 251-300

Quacquarelli Symonds (QS)

- QS Asia University Rankings 2022 – Band 601-650

2. National Ranking

National Institutional Ranking Framework (NIRF) India Rankings 2021: Ved Tech is ranked in Top 100 with 93rd position under Engineering Category, 15th band under Universities Category and 151-200 band under Overall Category by NIRF India Rankings 2021. The number of institutions participated in NIRF India Rankings for 2021 under Overall Category and Engineering Category are 1677 and 1143 respectively. This framework outlines a methodology to rank 1000+ stars across the country. The methodology comes from the overall comprehension and broad understanding arrived at by a Core Committee set up by MoE, to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover Teaching, Learning and Research, Research and Professional Practices, Graduation Outcomes, Outreach, and Inclusivity and Perception.

Atal Ranking of Institutions on Innovation Achievements (ARIIA) Ranking 2021.

Office of Maintenance and Services
Establishment of New Building facilities/ Amenities

<i>Sl.No.</i>	<i>Planned in the previous meeting</i>	<i>Area</i>	<i>Completion Status</i>
1	Prince Hostel F-Block renovation – First Floor -14 Rooms To Be Completed	7372 sqft.	Completed
2	Structural Lab (Loading Frame) Construction Work	1475 sqft.	Completed

<i>Sl.No.</i>	<i>Planned For The Year 2023-24</i>	<i>Area</i>	<i>Budget</i>	<i>Target date</i>
1	Block 24 – Placement Block renovation	5400 sqft.	80,00,000	To Be Completed Before June 2023
2	Research Park – R&D Block Terrace Flooring and Cool roof Tile Laying.	19000 sqft.	28,00,000	To Be Completed Before November 2023
3	Block 24 - Elevation work with ACP sheets.	17000 sqft.	1,25,00,000	To Be Completed Before November 2023
4	Block 24 – New Lift erection and commissioning	-	21,00,000	To Be Completed Before June 2023
5	Compound Wall construction – C.K Naidu Ground east)	310' length X 9' Height	13,00,000	To Be Completed Before June 2023

Placement Block details:

Interview cabin - 18 Nos.

GD rooms - 6 Nos.

Placement officers cabin – 4 Nos.

Dean Campus to Corporate cabin - 1 No.

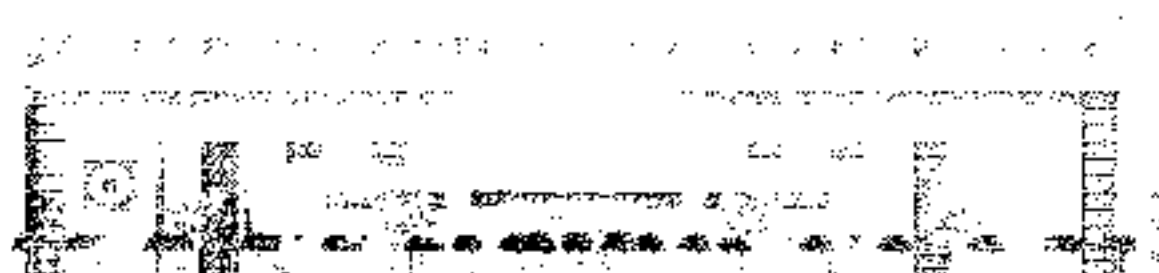
Training room - 1 No.

Meeting Room - 1 No.

Placement Trainers cabin – 18 nos.,

Cafeteria for Placement staff – 1 No.

B24 Elevation

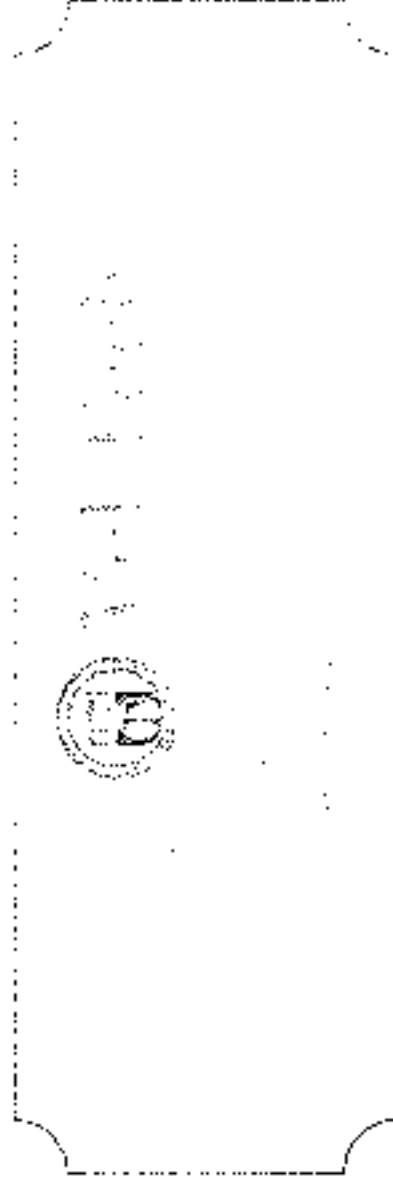


All Hostels New Works Proposal				
Sl.No	Plan For The Year 2023-24	Area	Budget	Target Date
1	TERRACE TILES-B3 HOSTELS	12250 Sqft	1,837,500	Nov, 2023
2	TERRACE TILES PRINCE F BLOCK	7300 Sqft	1,095,000	Nov, 2023
	PH A BLOCK TO F BLOCK RCC ROAD LAYING			
3	THROUGH KITTIEN	1200 Rft	5,500,000	Jun, 23
4	RCC ROAD (B3 HOSTEL LOADS TO STP 200 KL)	1100 Rft	5,566,000	Jun, 23
5	C D F BLOCK RAINWATER TRENCH (PRINCE)	400 Rft	720,000	Jun, 23
6	LEADERS HOSTEL NEW KITCHEN	8127 Sqft	12,857,000	May, 23
	LEADERS D BLOCK (CF & FF) CF-Dining hall			
7	FF- 33 Rooms 4 IN 1	18988 Sqft	9,667,184	May, 23
8	LEADERS STP-400 KLD Location Changing work KINGS HOSTEL, Ground Floor 20 Rooms Restroom Renovation Work First Floor 13 Rooms Restroom Renovation Work	1816.5 Sqft	2,331,986	May, 23
9		0	2,331,986	May, 23
	B3 KITCHEN WORKER ROOMS 4 IN 1 Rooms-16 8 IN 1 Rooms-9 Total -25 Rooms	11618.5ft	1,519,042	May, 23
10	LEADERS COMPOUND WALL WORK	539 Rft	2,478,926	Jun, 23
	VVH ROOMS RENOVATION WORK Total-90 4 IN 1 Rooms With Attached Restrooms	39180 Sqft	25,112,724	Jun, 23
12	TOTAL		72,017,308	

16.8 To discuss and introduce the new specialization - Internet of Things (IoT) in B.Tech. (ECE) with the support of Centre of Excellence by Industry.

Offered by Department of ECE in Association with CoE for Smart Factory Initiatives Sponsored by M/s. ZF Commercial Vehicle Control Systems India Limited

B.Tech - Specialization in Internet of Things (IoT)



M/s. ZF Commercial Vehicle Control Systems India Limited Under CSR initiatives

IoT components worth of Rs.7,16,102/-

(Rs.14,00,000/- cost of Smart factory working models)

Space Allocated – 3500 Sq.ft

Centre of Excellence for Smart
Factory Initiatives



Scheduled to be inaugurated
On 23th March 2023
at 10.30 AM



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Focus Area

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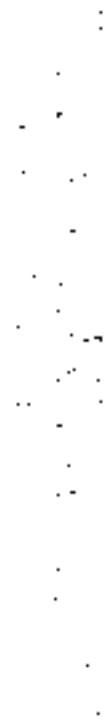


Figure 1.1



Focus Area

Figure 1.2



Focus Area



What to do

Consideration of the various tasks in a task set. The tasks are not necessarily sequential. Some tasks may be done simultaneously. The tasks are not necessarily done in the same order. The tasks are not necessarily done in the same way. The tasks are not necessarily done in the same place. The tasks are not necessarily done in the same time. The tasks are not necessarily done in the same way. The tasks are not necessarily done in the same place. The tasks are not necessarily done in the same time.



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What to do

Consideration of the various tasks in a task set. The tasks are not necessarily sequential. Some tasks may be done simultaneously. The tasks are not necessarily done in the same order. The tasks are not necessarily done in the same way. The tasks are not necessarily done in the same place. The tasks are not necessarily done in the same time. The tasks are not necessarily done in the same way. The tasks are not necessarily done in the same place. The tasks are not necessarily done in the same time.

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- As per the regulation R21, the office of industry relations and department of ECE constituted a faculty committee to come with the courses of total 18 Credits under programme elective and Independent learning 13 Credits (2 Minor projects (4 Credits) and Major project 9 credits) focusing on IoT.



- The ZF agreed to support course delivery and offer both minor and major projects at their industry.

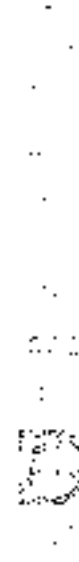
Minimum Credits required in Course Categories (R21):

Course Category	Minimum Credits Required
Foundation Courses	56
Programme Core	58
Special Elective	10
Open Elective	12
Independent Learning	14 (100%)
Industry / Higher Institute Learning Interaction	2
Professional Proficiency Courses	4
Total	164

List of Credit Courses Offered:

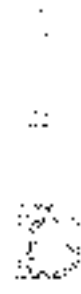
Level 1:	Introduction to IoT, Basic Concepts and Applications	Week-1	Credit-1
Level 2:	Introduction to Sensors and Actuators	Week-2	
Level 3:	Introduction to Wireless Networks	Week-3 & 4	
Level 4:	Introduction to Cloud	Week-5 & 6	Credit-2
Level 5:	Real time IoT Project	Week-7 & 8	

List of Credit Courses Offered:



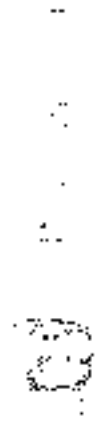
LEVEL	Week	Lecture Topics	Lab Exercises	Hardware Used
LEVEL 1	0	Introduction to IOT, Basic Concepts and Applications	Introduction	IoT Hardware - Sensors, Actuators and Development Boards
			Write a program that controls an LED and makes it blink.	
	1	Introduction to Hardware Software used in IOT	Write a program to read the switch status and turn on or off the LED.	
			Write a program that controls an Seven Segment LED and makes it display "HELLO".	
			Write a program that controls an 16*2 LCD and display "VELTECH UNIVERSITY".	
LEVEL 2	2	Introduction to Sensors and Actuators Interfacing Different Sensors, Actuators with Arduino / Raspberry Pi	Introduction to different Sensors and Actuators	IoT Hardware - Sensors, Actuators and Development Boards
			Write a program to interface a sensor to the GPIO pins of the Arduino / Raspberry Pi.	
			Write a program to control the output device by accessing the sensor using Arduino / Raspberry Pi.	

List of Credit Courses Offered:



		Introduction to wireless Networks	Introduction to different Wireless Communicating Hardwares	IOT Hardware - Sensors, Actuators, Development Boards and Wireless Modules
LEVEL 3	3	Interfacing Bluetooth, Zigbee with Arduino / Raspberry Pi	Write a program to transmit the data from one device to another device by using Bluetooth or Zigbee.	IoT Hardware - Sensors, Actuators, Development Boards and Wireless Modules
		Interfacing GSM, GPS with Arduino / Raspberry Pi	Write a program to transmit the data from one device to another device by using GSM and GPS.	
		Interfacing RF transmitter and receiver 433 MHz with Arduino / Raspberry Pi	Write a program to transmit the data from one device to another device by using RF Modules.	
LEVEL 4	4	Interfacing Z Wave RF Modules with Arduino / Raspberry Pi	Write a program to transmit the data from one device to another device by using Z Wave.	IoT Hardware - Sensors, Actuators, Development Boards and Wireless Modules
		Introduction to Cloud	Introduction to IFTTT, MQTT and BLYNK	
		Introduction to IOT cloud Integration	Write a program to measure the data from remote location by using Cloud Integration.	
	6	Interfacing Different Sensors, Actuators with Cloud	Write a program to measure the data from remote location and control the device by using mobile phone.	

List of Credit Courses Offered:



LEVEL 5 7 & 8	Real time IOT Project	IOT based Asset Tracking (Indoor Position)	IoT Hardware - Sensors, Actuators, Development Boards, Wireless Modules and Industrial Standard Devices
		IOT based Logistics (Location Technologies)	
		IOT based Supply Chain Management (Cellular Based LPWAN Technologies)	
		IOT based Raw Material Environment Monitoring (Non-Cellular Based LPWAN Technologies)	
		IOT based Voice Controlled Devices	
		IOT based Text Controlled Home Appliances	
		Smart Agriculture System	
		Health monitoring by Wearable Devices	
		Smart Car Parking System	
		Smart Environmental Monitoring System	

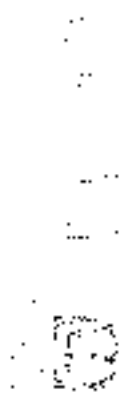
Elective Specialization in Internet of Things (IoT)

Materials Purchased details(IoT- Components)



ROBU.IN	3,67,608.20	• Home Automation System Using Google Assistant / Alexa • Temperature and Humidity Monitoring in Food Quality Service Control • Smart Energy Monitor using IoT
AMAZON	1,68,103.00	
ROBU.IN	36,130.00	• Home Automation Using Local Web Server
DELIGHT	1,44,562.00	• Monitor and Diagnose the performance of a Three-Phase Induction Motor
	7,16,403.20	• Security System Using IoT

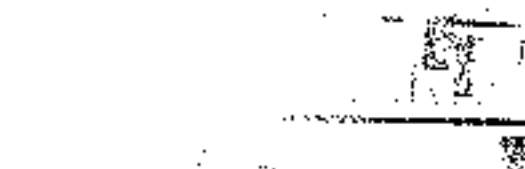
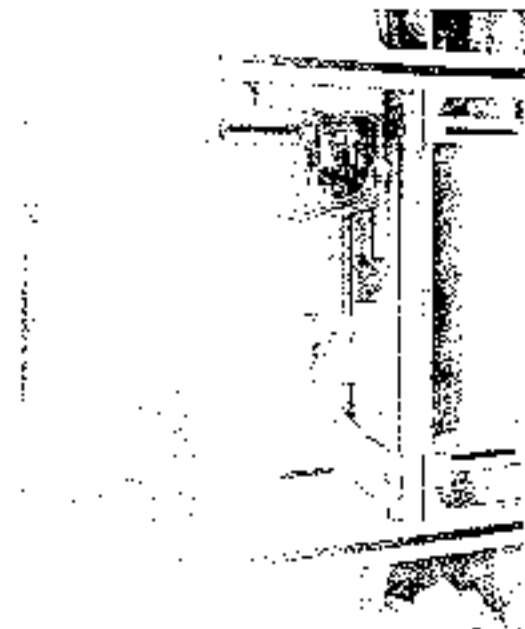
Commercial Vehicle Solutions



BEARING PRESS STATION

PLATE TIGHTENING STATION

FINAL INSPECTION



Bluebird Specialization in Internet of Things (IoT)



Proposed Skill Development Initiatives

Other Industry Partner

Webify

- One week Workshop to our affiliated Engineering college students .
- Polytechnic students - to conduct one week Workshop.
- School students - two days Workshop.

Thank you

ANNEXURE - 2

List of Courses Offered by the Institutions

e-CONTENT Course				
S.No	Name of the Department	Course Code	Course Name	Handling Faculty Name
1	Mechanical Engineering	10212ME113A	Artificial Intelligence system in Manufacturing	Dr. Sachin Salunke
		10212ME140	Fundamentals of Machine Learning	Dr. Ganesh Kalita
		10211ME1105	Applied Engineering Thermodynamics	Dr. P. Sivamurugan
2	Biomedical Engineering	11515ME109	Microprocessor and\& Microcontrollers	Dr. N.M. Manojodhara Dr. A. Paramasivam
		11515ME111	Biomedical\& Instrumentation	Dr. Chiyam Deepa\& Aseeta\& Ms. Sneha Vya
3	Biotechnology	11513BT11	Immunology and\& Immunotechnology	Dr. V.R. Manoj
		11528BT120	Biopharmaceutical\& Technology	Ms. V. Sugumari
4	Electronics and\& Communication Engineering	10212ECE113	Wearable Electronics	Dr. L.D.Kanmani Ruby
		11527ECE154	Machine Learning	Dr. S. Jais
5	Electrical and Electronics\& Engineering	1151EE104	AC Machines	Dr. K. Karunakithi
		1151EE102	Electronic Circuits	Dr. Hari Charan\& Nannam
		10210PE4101	Semiconductor Physics	Dr. S.Mahalingam Prof./Physics
		10210CS102	Computational Thinking	Dr. Suguna, Prof./CSF
		30211MG111	Financial Management	Dr. Thandayannagan
6	Management	30211MG116	Business Strategy	Mrs. Ms.Faiziyah
		106GB437	Total Quality Management	Mrs. Susan Jayaseeli
		30211GE113	Cost Accounting	Dr. Ganasekaran K
		90181DL122 / 90181BC122	Law of Evidence	Mr. Hari Harasudhan
7	Law	90181DL401 / 90181BC401	Alternative Dispute Resolution	Mr. Hari Harasudhan
		50211VC208	Photography	Mr. FERDZ KHAN, Asst. Prof.
8	School of Media Technology and Communication	50212MM204	Augmented Reality Virtual Reality	Ms. Renuga Varshini, Asst. Prof.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

Office of Quality Assurance

Action Plan for the Academic Year 2022-23

Sl. No.	Details	Target	Person(s) Responsible
1	Percentage of new courses introduced out of the total number of courses across all programmes.	10 to 15 percentage per year	Dean (Academic) & School Deans
2	Number of certificate / value added courses / Diploma Programme / online courses like MOOCs / SWAYAM / e-Pathshala/ NPTEL etc. where the students of the institution have enrolled and benefited (Note: No repeat count of courses will be considered)	Atleast one course (minimum of 100 students) per Semester per single intake (60 students) per Semester	School Deans & HoDs concerned with the support of Dean (ND) & Dean (CC)
3	Students completed in value-added courses	65 to 70 percentage of students per year	School Deans in consultation with Dean (ND), Dean (CC) & Dean (NT)
4	Percentage of Programs that has components of field projects/ research projects/ Internships	Mandatory for all the programs	School Deans in consultation with Dean (ND), Dean (CC) & Dean (NT)
5	No. of students undertaking internship	50 percent of final year students per year	School Deans in consultation with Dean (ND), Dean (CC) & Dean (NT)
6	Syllabi revision (program-wise) followed by BoS approval.	Every Semester	Dean (Academic) & School Deans
7	Feedback on design of curriculum/ review of syllabi from various stakeholders (Collection, Analysis, Action Taken & Communication to relevant body and posting in the institutional website)	Once a year	Dean (Academic) & School Deans
8	Enrollment Percentage	Sanctioned seats to be filled in all the programs	Admission Office
9	Admission based on reservation to be reviewed	Community certificate should be obtained from all the admitted students and to be analyzed as soon as the completion of admission	Registrar and Admission Office
10	Student - full time teacher ratio	15:1 for Engineering and Technology 20:1 for Law 25:1 for Arts and Science	Registrar, H.R, HoDs & School Deans Concerned
11	Percentage of full-time teachers appointed against the number of sanctioned posts	Ratio approval should be obtained every year before start of the Academic Year	Registrar
12	Percentage of full-time teachers with Ph.D. qualification	Increase of 20 percent per year after reaching 200 percent to be sustained	Registrar, H.R, HoDs & School Deans Concerned
13	Teaching experience of full-time teachers	Experience certificate of the previous institution should be maintained properly	Registrar and H.R

Sl. No.	Details	Target	Person(s) Responsible
11	Declaration of Results	Within 15 days from the date of last examination	CoE
12	Percentage of student complaints/ grievances about evaluation against total number of students appeared in the examinations	Less than one percentage	
13	Review of pass percentage to achieve better graduation	Once a semester	CoE/ School Deans
14	Online Student Satisfaction Survey regarding the teaching-learning process	Online survey to be conducted, analysed and report to be posted in the institution website	Dean (CA)
15	Sand money to faculty members (average per year; INR in Lakhs)	60 Lakh per year (Amount to be split based on the faculty strength of the departments concerned)	School Deans in consultation with Dean (R&D)
16	Percentage of faculty members receiving national/ international fellowship/ financial support by various agencies for advanced studies/ research	25 percentage of total faculty members every year	School Deans in consultation with Dean (R&D), Dean (NT)
17	Percentage of JRFs, SRFs and other enrolled PhD scholars in the institution	75 percent per year	Dean (S&D)
18	Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution	100 Lakh every year	School deans in consultation with Dean (R&D), Dean (R&D), Dean (NT) & Dean (Alumni)
19	Total Grants for research projects sponsored by the government agencies	300 Lakh every year	School deans in consultation with Dean (R&D)
19	Number of research projects per faculty funded by government and non-government agencies	50 percent of the faculty count per department	All Teams
20	Number of awards/ recognitions received for research/ innovations by the institution	5 to 10 per year	
20	Number of awards/ recognitions received for research/ innovations by the research scholars	5 to 10 percentage of total scholars	Dean (R&D) & Dean (R&D) with the support of School Deans
20	Number of awards/ recognitions received for research/ innovations by the teachers	5 percentage of total faculty members	Dean (S&D) with the support of Department Heads concerned, Dean (NT)
20	Number of awards/ recognitions received for research/ innovations by the students	50 per year based on the student strength in the department	Dean (S&D) with the support of Department Heads concerned, Dean (NT)
21	Number of Patents filed	20 to 25 per year (based on the faculty strength in the department)	School deans in consultation with Dean (R&D) & Dean (R&D)
22	Number of Ph.D.s awarded per recognized guide	Concentrating on full-time Ph.D. and upcoming thesis in the shodhganga	Dean (R&D) & CoE

Sl. No.	Details	Target	Person(s) Responsible
23	Number of research papers in the Journals	2 per faculty per year	School Deans in Consultation with Dean (R&D)
24	Number of books and chapters in edited volumes/ Books published and papers in national/international conference Proceedings	2 per faculty per year	
25	E-content development by faculty members for (e PG Pathshala, GEC (Under Graduate), SWAYAM), other MOOCs platform, Any other Government Initiatives, Institutional CMS, etc.)	Minimum two courses per department per semester (Excluding Institutional LMS) maximum number shall vary based on the faculty count	School Deans & HODs Consulted with the support of School of Media Technology and Communication & Dean (Academics)
26	Number of citations	Measures to be taken for improvement	School Deans in Consultation with Dean (R&D)
27	h-Index of the University	Measures to be taken for improvement	
28	Amount generated from consultancy and corporate training	Rs. 50 Lakh every year	School Deans in consultation with Dean (R&D), Dean (R&D)
29	Number of extension and outreach programs organized by the institution through NSS	20 per year 2*5 per semester*2;	School deans in consultation with Dean (CA)
	Number of extension and outreach programs organized by the institution through NCC	18 per year 3*3 per semester*2;	
	Number of extension and outreach programs organized by the institution through other than NCC and NSS	25 per year	
	Students participation in extension activities (NSS, NCC & Government and Government recognised bodies)	70 to 75 percentage of total students	
30	Number of MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research	25 to 30 per year	Dean (R&D), Dean (R&D) Dean (CA)
31	Percentage of expenditure excluding salary, for infrastructure development and augmentation	Minimum of 40%	Registrar and Finance Officer
32	Percentage expenditure for purchase of books/ e-books and subscription to journals/e journals excluding salary	Minimum of 10%	Chief Librarian and Finance Officer
33	Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary	Minimum of 30%	Registrar and Finance Officer
34	Percentage of students benefited by scholarships and free ships provided by the Institution, Government and non government bodies, industries, individuals, philanthropists	Proper data to be maintained	School deans in charge shall be nominated under the guidance of Registrar

Sl. No.	Details	Target	Person(s) Responsible
35	Number of Capacity development and skills enhancement activities for improving students capability (Soft skills)	Mandatory for all the departments (minimum 3 per semester)	School Deans, HoDs concerned, Dean (CC)
	Number of Capacity development and skills enhancement activities for improving students capability (Language and Communication skills)		School Deans, HoDs concerned, Dean (English)
	Number of Capacity development and skills enhancement activities for improving students capability (Life skills - Yoga, physical fitness, health and hygiene)		School Deans, HoDs concerned, Dean (CA)
	Number of Capacity development and skills enhancement activities for improving students capability (Awareness of trends in technology)		School Deans & staffs concerned in consultation with Dean (IND)
36	Number of students placed	70 to 80 percent of students against graduation	Dean (CC) with the support of School Deans
	Placement in IT & IITs	65%	
	Placement in Core Companies	15%	
	Dream (between 5 and 10 LPA) and Super Dream offers (Above 10 LPA)	20%	
37	Percentage of final year students progressed to higher education	15 to 20 percent	Dean (NT) with the support of School Deans
	Measures to organize events like (i) guidance for competitive examinations and (ii) career counselling		
	Number of students benefited by guidance for competitive examinations and career counselling offered by the institution	75 to 80 percentage of total students	
	Number of students appearing in state/ national/ international level examinations (eg: II-JEE/JAM/NET/SLT/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)	70 percentage of the final year students	
38	Number of students qualifying in state/ national/ international level examinations (eg: II-JEE/JAM/NET/SLT/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)	75 percentage of the final year students	Dean (NT) with the support of School Deans
	Facilities for cultural activities, (eg), games and sports (indoor & outdoor), gymnasium, yoga centre, auditorium, etc.)	As per the council/ commission requirement	
39			School Deans in consultation with Dean (CA)

Sl. No.	Details	Target	Person(s) Responsible
	Number of awards/ medals won by students for outstanding performance in sports/ cultural activities at inter university/ state/ nationally/ international events (award for a team event should be counted as one)	40 per Year (Based on the students strength)	
	Number of sports and cultural events/ competitions organised by the institution	Sports 10 events per semester Cultural 5 events per semester	
40	Alumni contribution	20 Lakh per year	Dean (Alumni)
41	Percentage of faculty members provided with financial support to attend conferences/ workshops and towards membership fees of professional bodies	50 to 60 percentage of total faculty members	
42	Percentage of teachers attending professional development programmes, e.g., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes	Atleast one program (More than five days) per year per faculty	
43	Total number of professional development /administrative Training Programmes organized	- International Conferences – 1 per School per Year - FDPs (2 weeks) – 1 per semester per School - Seminar/ workshops/ webinars etc. – minimum 1 per semester and based on department strength - Based on the expertise required in the department/ School event has to be conducted - Seminar/ Workshops/ Webinars etc. should be more focus on employability skills by involving experts from industry/ academia such as IT/ NI / IISc etc - FDPs in emerging areas - International Conference publications should be indexed in scopus/IEEE/Springer/ACM/ other relevant bodies related to branches. Quality Conferences only	School Deans, Heads of Institute & Dean (HRDC)
44	Funds/ Grants received from government bodies/ non-government for development and maintenance of infrastructure	20 Lakh per Year	School Deans (MCDROSS), Dean (R&D), Dean (IND) & Dean (Alumni)

Sl. No.	Details	Target	Person(s) Responsible
	Conferences, Seminars, Workshops on quality	3 to 4 per year	Dean (QA)
45	Council of Academic and Administrative Audit	Once in a year	
	Orientation program for the newly joined faculty members	As per the requirement	Dean (H&DE)
46	Details of applications received for admission to be maintained	Entrance Examination's mandatory for all the admitted students	CoE & Admission Head
47	Courses having focus on employability/ entrepreneurship/skill development	(QIM)	School deans in consultation with Dean (Academics), Dean (CCI), Dean (IMDI), Dean (IVT)
48	Facilities for teaching - learning, viz., classrooms, laboratories, computing equipment, etc	As per the council's commission requirement	School Deans
49	No. of classrooms with Smart Board facility	10 per year (Law-1, Media-1, Management-1, CNI-3, ECE-2, SOMC-1 & FVE-1)	
50	Number of awards received by the institution from Government/ Government recognised bodies in recognition of the extension activities carried/ undertaken	Minimum 5 per year	
51	Number of awards received by the teachers from Government/ Government recognised bodies in recognition of the extension activities carried/ undertaken	Minimum 10 per year (based on students strength in the department)	School deans in consultation with Dean (CA)
52	Number of awards received by the students from Government/ Government recognised bodies in recognition of the extensions on activities carried/ undertaken	30 per year	
53	Number of workshops/ seminars on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development	50 per year	School Deans in consultation with Dean (IMDI), Dean (R&D), DSS, Dean (INF)
54	Number of Collaborative activities with other institutions/research establishment/ industry for research and academic development of faculty and students	150 to 200 per year	Dean (IMDI), Dean (R&D), Dean (Academics), Dean (IVT), School Deans
55	Conduct of internal and external financial audits	Two times per year	Registrar and Finance Officer
56	Student Exchange (Outbound)	60 per year	
57	Student Exchange (Inbound)	10 per year	Dean (IVT) in consultation with School Deans
58	Faculty Exchange (Outbound)	5 per year	

Sl. No.	Details	Target	Person(s) Responsible
59	Faculty Exchange (Inbound)	65 per year	
60	No. of students undertaking 'Industrial Visit'	Minimum of one visit per year for every single intake (60 students) Industrial Visit has to be arranged related to focused/emerging areas of concern department	School Deans & HoDs Concerned in consultation with Dean (NU), Dean (CC)
61	Measures for slow learners and fast learners	Slow Learners: Fast Learners has to be identified in the beginning and Continuous Improvement process has to be done. Based on the students learning level, training classes need to be conducted. Relevant encumbrances have to be maintained Fast Learners: Career guidance, 6 to 8 months/abroad Internship, paper publication etc.	School Deans & HoDs Concerned
62	Implementation of Active Learning Methods in Teaching-Learning process	Minimum of two topics per course per semester	
63	No. of classrooms with LCD projector	75 percentage of total classrooms	School Deans, HoDs concerned
64	Conduct of all the statutory and non-statutory body meetings	As per the frequency	Member Secretaries Concerned
65	Usage of IT tools for relevant courses	Minimum of two topics per course per semester	
66	Innovative model developed for teaching learning purpose in terms of animating media / charts etc. must be unique	At least 4 courses per year	
67	Faculty industry training (Minimum of one week duration)	Minimum 3 faculty per department (based on faculty strength in the department)	School Deans & HoDs Concerned
68	Faculty and Students Start-ups	Based on students and faculty strength in the department	School Deans with the support of Dean (VNI)
69	CO PO attainment, continuous improvement reflection in the courses, no. of courses included in CO/PO attainment	Mandatory for all the departments	School Deans & HoDs Concerned
70	Gender Sensitization programs	Minimum of one per semester per department	School Deans & HoDs Concerned with the support of SWASH, NTA, Naga
71	Students' cultural activities	Minimum of one per semester per department	School Deans & HoDs Concerned with the support of Students council/incharge

Sl. No.	Details	Target	Person(s) Responsible
72	Ind. day collaborative Laboratories	One laboratory in two years	Dean (H&G) with the support of School Deans
73	Mentor – Mentee meeting during free time	Each semester minimum 6 meetings has to be conducted, minutes meeting with follow-up action has to be submitted by each department	School Deans & HoDs Concerned
74	Semester Registration/ Course Registration	100 percent of admitted students	School Deans, HoDs Concerned & Dean (Academics)

NAAC

Institutional Assessment and Accreditation

(Effective from July 2017)

Accreditation • (Cycle: 2)

**VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE
OF SCIENCE AND TECHNOLOGY, Chennai, Tamil Nadu, 600062**

Track ID : TNUNGN60039

AISHE-ID : U-0489

Visit dates : 31 - 01 - 2023 to 02 - 02 - 2023

Grade Sheet



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1675, Nagathikulam, Bangalore - 560 072, INDIA

Name of the Institution: VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE
OF SCIENCE AND TECHNOLOGY
Type of the Institution: University
Dates of Visit: 31 - 01 - 2023 to 02 - 02 - 2023

No	Criteria	Weightage (W_i)	Criterion-wise weighted Grade Point (CrWGP _i)	Criterion- wise Grade Point Averages (CrWGP _i / W_i)
1	Curricular Aspects	150	550	3.67
2	Teaching-learning and Evaluation	200	645	3.23
3	Research Innovations and Extension	250	875	3.5
4	Infrastructure and Learning Resources	100	366	3.66
5	Student Support and Progression	100	337	3.37
6	Governance, Leadership and Management	100	365	3.65
7	Institutional Values and Best Practices	100	361	3.61
Total		$\sum_{i=1}^7 (W_i) = 1000$	$\sum_{i=1}^7 (CrWGP_i) = 3528$	3.53

$$\text{Institutional CGPA} = \frac{\sum_{i=1}^7 (CrWGP_i)}{\sum_{i=1}^7 (W_i)} = \frac{3528}{1000} = 3.53$$

Grade: A++

Name of the Institution: VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE
OF SCIENCE AND TECHNOLOGY
Type of the Institution: University
Dates of Visit: 31 - 01 - 2023 to 02 - 02 - 2023

No	Criteria and Key Indicators	Key Indicator Weightage (W)	Key Indicator Wise Weighted Grade Points (KIWGP) _i
Criterion 1: Curricular Aspects			
1.1	Curriculum Design and Development	40	160
1.2	Academic Flexibility	60	200
1.3	Curriculum Enrichment	30	120
1.4	Feedback System	20	80
Total		$\sum W_1=150$	$\sum (KIWGP)_1=580$
Calculated CrGPA₁ = $\sum (KIWGP)_1 / \sum W_1 = 580 / 150 = 3.87$			
Criterion 2: Teaching-learning and Evaluation			
2.1	Student Enrollment and Profile	10	30
2.2	Catering to Student Diversity	20	70
2.3	Teaching- Learning Process	20	74
2.4	Teacher Profile and Quality	50	90
2.5	Evaluation Process and Reforms	40	150
2.6	Student Performance and Learning Outcomes	30	110
2.7	Student Satisfaction Survey	30	116
Total		$\sum W_2=200$	$\sum (KIWGP)_2=645$
Calculated CrGPA₂ = $\sum (KIWGP)_2 / \sum W_2 = 645 / 200 = 3.23$			
Criterion 3: Research, Innovations and Extension			
3.1	Promotion of Research and Facilities	20	72
3.2	Resource Mobilization for Research	20	60
3.3	Innovation Ecosystem	30	120
3.4	Research Publications and Awards	100	300
3.5	Consultancy	20	75
3.6	Extension Activities	40	145
3.7	Collaboration	20	80
Total		$\sum W_3=250$	$\sum (KIWGP)_3=875$
Calculated CrGPA₃ = $\sum (KIWGP)_3 / \sum W_3 = 875 / 250 = 3.5$			
Criterion 4: Infrastructure and Learning Resources			
4.1	Physical Facilities	30	110
4.2	Library as a Learning Resource	20	70
4.3	IT Infrastructure	30	115

No	Criteria and Key Indicators	Key Indicator Weightage (W _i)	Key Indicator Wise Weighted Grade Points (KIWGP) _i
4.4	Maintenance of Campus Infrastructure	20	70
Total		$\sum W_4=100$	$\sum (KIWGP)_4=365$
Calculated CrGPA ₄ = $\sum (KIWGP)_4 / \sum W_4 = 365/100 = 3.65$			
Criterion 5: Student Support and Progression			
5.1	Student Support	30	120
5.2	Student Progression	40	130
5.3	Student Participation and Activities	20	65
5.4	Alumni Engagement	10	22
Total		$\sum W_5=100$	$\sum (KIWGP)_5=337$
Calculated CrGPA ₅ = $\sum (KIWGP)_5 / \sum W_5 = 337/100 = 3.37$			
Criterion 6: Governance, Leadership and Management			
6.1	Institutional Vision and Leadership	10	30
6.2	Strategy Development and Deployment	10	30
6.3	Faculty Empowerment Strategies	30	116
6.4	Financial Management and Resource Mobilization	20	74
6.5	Internal Quality Assurance System	30	110
Total		$\sum W_6=100$	$\sum (KIWGP)_6=365$
Calculated CrGPA ₆ = $\sum (KIWGP)_6 / \sum W_6 = 365/100 = 3.65$			
Criterion 7: Institutional Values and Best Practices			
7.1	Institutional Values and Social Responsibilities	50	191
7.2	Best Practices	30	90
7.3	Institutional Distinctiveness	20	80
Total		$\sum W_7=100$	$\sum (KIWGP)_7=361$
Calculated CrGPA ₇ = $\sum (KIWGP)_7 / \sum W_7 = 361/100 = 3.61$			
Grand Total		1000	3528

$$\text{Institutional CGPA} = \sum_{i=1}^7 (CrWGP_i) / \sum_{i=1}^7 (W_i) = 3528/1000 = 3.53$$