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**UNIVERSITY GRANTS COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI - 110 002**

Report of the Expert Committee constituted to consider the proposal of **VEL TECH Rangarajan Dr. Sakunthala R&D Institute of Science and Technology, Chennai (Tamil Nadu)** for grant of "Deemed to be University" status under Section 3 of the UGC Act, 1956.

The UGC had received a proposal from the Ministry of Human Resource Development, Government of India to consider the proposal of Vel Shree R. Rangarajan Dr. Shagunthala Rangarajan Educational Academy for the status of 'Deemed University' for its Engineering College (VEL TECH) in the name and style of VEL TECH Rangarajan Dr. Sakunthala R&D Institute of Science and Technology, Chennai (Tamil Nadu). The Screening Committee, constituted to examine the proposal of the Institute, did not approve the visit of Expert Committee. The Institute appealed for review of its case before the Review Committee. Since the Review Committee now stands abolished following the judgement of the Madras High Court, setting aside the Screening Committee, the proposal was reviewed by the UGC and the Institute was requested to report the compliance of the following before the visit of the Expert Committee :

1. The Institution shall have to decide an alternative name for the proposed Deemed University as a Deemed University is not permitted to associate word "University" with its name under Section 23 of the UGC Act, 1956.

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2. The Institute shall have to create and register a new Trust in the name of proposed Deemed University and formulate the Memorandum of Association/ Rules based on the Model prescribed by the UGC.
3. The sponsoring Trust shall have to transfer all the moveable and immovable assets in the name of Trust/Society created for the proposed Deemed to be University.
4. Corpus fund amounting to Rs.5.00 crores has to be created in the name of proposed Deemed University.
5. The Trust is further requested to send the latest details of existing UG and PG courses conducted in the College proposed for the status of Deemed to be University along with the copies of the latest approval by the concerned Statutory Authority.

The Institute reported that the compliance as asked by the UGC has been complied with. Accordingly, Chairman, UGC, has constituted an Expert Committee consisting of the following Members for physically verifying the compliance, as reported by the Institute, and its assessment:

1. Prof. P.C. Upadhaya,  
Former Professor of Mechanical Engg. ,  
Banaras Hindu University &  
Chairman, Chhattisgarh Private Universities  
Regulatory Commission, New Shanti Nagar,  
Madhu Pillai Chowk, Raipur - 492 001.
2. Prof. Karmeshu,  
School of Computer and Systems Science,  
Jawaharlal Nehru University,  
New Mehrauli Road, New Delhi - 110 067.

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3. Prof. I.V. Murali Krishna,  
Professor & Head,  
Centre for Spatial Information Technology,  
Jawaharlal Nehru Technological University, 5<sup>th</sup> Floor,  
School of Information Tech. Building,  
Kukatpally, Hyderabad -500 072.

Shri C.K.Kapahi, Deputy Secretary, UGC, coordinated the work of the Committee.

The Committee visited the VEL TECH Rangarajan Dr. Sakunthala R&D Institute of Science and Technology, Chennai (Tamil Nadu) on June 19-20, 2006.

Prof. I.V. Murali Krishna could join the Committee on 20<sup>th</sup> June, 2006, for one day only.

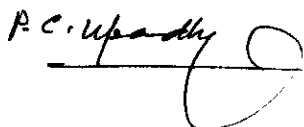
The Committee was received by the Chairman of the Trust. At the outset, the Committee went through the compliance report and was satisfied with the documents submitted by the Institute in support of the compliance.

The Institute then made a power point presentation highlighting the academic programmes, physical infrastructure and facilities, research activities, major achievements and blue print for the future growth.

The Committee then visited different Departments for physical verification of the available facilities. The Committee also visited the library, laboratories, lecture theatres, auditorium, seminar rooms, hostels, guest house, staff quarters, playground and other facilities.

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The Committee also interacted with the faculty, non-teaching staff and some of the students who were present.

The College namely VEL TECH Rangarajan Dr. Sakunthala R&D Institute of Science and Technology, Chennai (Tamil Nadu) was established in 1996 by Vel Shree R. Rangarajan Dr. Shagunthala Ragarajan Educational Academy and has completed 10 years. The Institute, is running 6 UG programmes and 5 PG (MBA & MCA) programmes. The courses are approved by the AICTE.

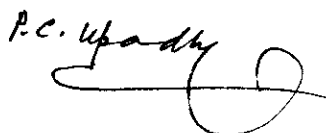
**Courses offered along with Intake approved by the AICTE :**

S.	Name of Course offered (UG Level)	Intake	S.N.	Name of Course offered (PG Level)	Intake
1.	B.E. in Electrical & Electronics Engg.	120	1.	Master of Business Administration	120
2.	B.E. in electronic & Communication Engg.	120	2.	Master of Computer Application	90
3.	B.E. in Computer Science Engg.	120	3.	M.E. VLSI Design	18
4.	B.Tech in Information Technology	90	4.	M.E. Embedded System Technology	18
5.	B.E. in Electronics & Instrumentation Engg.	60			
6.	B.E. in Mechanical Engg.	60			

**The 5<sup>th</sup> PG Course namely; Master of Science (Computer Science & Technology) has got the approval of Madras University with an intake of 30.**

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**Students enrolment in each course for the last three years :**

S.N.	Programme	Enrolment in		
		2003-04	2004-05	2005-06
1.	B.E. in Electrical & Electronics Engg.	99	126	108
2.	B.E. in electronic & Communication Engg.	133	122	120
3.	B.E. in Computer Science Engg.	115	122	118
4.	B.Tech in Information Technology	38	96	87
5.	B.E. in Electronics & Instrumentation Engg.	52	43	52
6.	B.E. in Mechanical Engg.	65	56	61
7.	Master of Business Administration	71	30	112
8.	Master of Computer Application	20	18	84
9.	M.E. Embedded System Technology	NA	NA	13
10.	M.E. VLSI Design	NA	NA	5
11.	Master of Science (Computer Science Technology)	NIL	NIL	NIL
<b>TOTAL :</b>		<b>593</b>	<b>613</b>	<b>760</b>

**Faculty :**

All the teaching departments in the Institute have adequate number of faculties comprising of Professors, Associate Professors and Lecturers.

The break-up of the regular faculty is as under :-

- |    |                     |   |           |
|----|---------------------|---|-----------|
| 1. | Professor           | : | 24        |
| 2. | Associate Professor | : | 38        |
| 3. | Lecturers           | : | 153       |
| 4. | Visiting Faculty    | : | <u>30</u> |

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**Scale of Pay**

1. Professor : Rs.16400-450-20900-500-22400-600-24800
2. Asst. Professor: Rs.12000-420-18300
4. Lecturers : Rs.8000-275-13500

The names, designation and qualification of the teaching staff is given in Annexure-I.

**Infrastructure :**

Campus Details	Area (Sq. ft.)
Academic Buildings at the Campus	40,292
Men's Hostel	8,000
Women's Hostel	6,000
Faculty Guest House & Staff Qtrs.	900

S.No	Building	Area (sq.ft.)
1.	Class rooms	18,680
2.	Lab	15,200
3.	Staff Room	480
4.	Library	1,280
5.	Computer Lab	1,280
6.	Auditorium	800
7.	Utilities Building	2,572
<b>Total Built-up Area</b>		<b>40,292</b>

**Library :**

Total Books	UG		PG	
Number of Books	27615		7666	
Number of Titles	6989		2695	
Number of Periodicals & Journals	National 25	International 47	National 21	International 79

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**Research and Development Unit :**

The Institute has got a full fledged Research and Development unit to facilitate research. It serves not only for the staff but also for the students' needs. All the final year students are advised to do a live project and the model has to be developed in R&D cell for which the management provides full support . Good quality projects of the students carry attractive awards. The Institute participates in State level as well as national level Project Exhibitions every year. R&D unit has considerable role in helping students to develop projects with new ideas.

**Student Amenities :**

- The students' hostels (Boys & Girls ) are well maintained and have all adequate facilities like mess, canteen, recreation area, playgrounds and medical facilities. The Boys hostel has 175 rooms with a capacity to house 650 students, and the girls hostel has 92 rooms which can accommodate 350 students.
- The Institute has provided computer facility in the hostels also with 24 hours internet connectivity.
- The Institute has excellent transport facility having 50 Buses covering entire city of Chennai and its suburbs.
- Excellent sports facilities are available with well maintained playgrounds (Indoor/Outdoor ) for different games.

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**Observations :**

1. For the regular teaching, all the departments have adequate faculty members and well equipped labs. In fact, the Institute has given excellent results in previous years with nearly 90 per cent students passing in Ist Division. Some of the students get high ranks in the University examination.
2. Faculty members devote sufficient time guiding students projects. Students have been participating in models/projects competitions arranged by different organizations, including IITs. Some of their projects have been rated quite high & won awards.


The quality of the projects is so good that the Institute has encouraged one student to file for the patent.

3. Institute library is well equipped and fairly good number of national as well as international journals are being subscribed.
4. Institute has excellent computing environment with availability of licensed softwares. Every Department has good number of PCs for teaching as well as research work.
5. Institute is making efforts to motivate young faculty members to register for Ph.D. and has allowed some faculty members to avail study leave for the purpose.

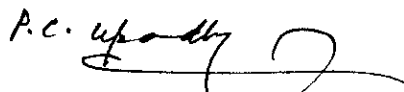




6. Faculty members are very much encouraged to attend summer/winter schools. This number has steadily increased over the years. During the current year (2005-06), 63 faculty members participated in winter / summer schools.
7. Institute has made special efforts to carryout community projects. Some of these are related to health awareness and preventive measures.
8. Institute celebrates important festivals of all the religions, cultivating a sense of brotherhood among the students and the community at large.
9. Institute has a well organized transparent examination system in place. Students test, quiz and mid-semester results are displayed on the notice board and the final examination results are given on the website.
10. It is observed that the Institute has put more emphasis on the teaching and encouraging faculty for writing books. Now the management is taking a proactive role in motivating the faculty to concentrate more on research and publish papers in high impact journals.
11. The Institute is trying to explore the possibility of starting M.Tech. programme in such socially relevant disciplines which are not available in other institutions in the region. For example - M.Tech. in Rehabilitation Engineering and a Master's programme in Acturial Science.



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**RECOMMENDATIONS :**

After detailed inspection of the basic infrastructure and assessment of academic facilities, research activities and extension programmes etc., the Committee is of the opinion that the Institution namely, VEL TECH Rangarajan Dr. Sakunthala R&D Institute of Science and Technology, Chennai (Tamil Nadu) has come up very well with excellent commitment from the management. In totality, it has all the requisites to be given Deemed to be University Status under Section-3 of the UGC Act, 1956, and the committee recommends for the same.

  
(Prof. P.C. Upadhaya)

  
(Prof. Karmeshu)

  
( Prof. I.V. Murali Krishna)

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