



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

•Estr. u/a 3 of UGC Act 1956

NAAC
Accredited A

F.No.VFSTR/Reg/A1/04/2020

Date: 30.07.2020

**MINUTES OF THE 24TH MEETING OF THE ACADEMIC COUNCIL
HELD ON 25TH July 2020**

All the Internal Members of VFSTR attended the meeting in person while the External members participated the meeting virtually.

1. Dr. K. Ramamurthy Naidu, Chancellor, VFSTR : Special Invitee
2. Dr. K. BabuRao
MD, NAVAYUGA InfotechPvt. Ltd., Hyderabad : External Member
3. Er. D. Rama Krishna
MD, Efftronics, Vijayawada : External Member
4. Dr. Shanti Swarup
Director of Engg., MathWorks, Hyderabad : External Member
5. Prof. P.B. Kavi Kishore, Research Advisor : Special Invitee
6. Dr. P.M.V.Rao
Dean, Academic Registration and
Evaluation and Controller of Examinations : Permanent Invitee
7. Dr. V. MadhusudhanRao, Dean-E&M : Internal Member
8. Dr. D. Vijayaramu
Dean, Academics and Dean,
Foreign Collaborations: Internal Member
9. Dr. K.V.Krishna Kishore : Internal Member
Dean, IT & LIS and HoD, Dept. of IT
10. Dr. G. SrinivasaRao, : Internal Member
Dean, R&D and HoD, Dept. of EEE
11. Dr. V. Ravi Kumar, Dean - Admissions : Internal Member
12. Dr. M. Ramakrishna, Dean-IQAC : Internal Member
13. Mr. D. Vijay Krishna, Dean - T&P : Internal Member
14. Dr. M. Ramesh Naidu, HoD, Dept. of Chem. Engg. : Internal Member
15. Dr. L. SuvarnaRaju, HoD, Dept. Of Mech. Engg. : Internal Member

16. Dr. D. John Babu, HoD, Dept. Of Biotechnology : Internal Member
17. Dr. D. Venkatesulu, HoD, Dept. Of CSE : Internal Member
18. Dr. T. Pitchaiah, HoD, Dept. Of ECE
19. Mr. A. NarayanaRao, HoD, Dept. of AE : Internal Member
20. Dr. N. Ruben, HoD, Dept. of Civil Engg. : Internal Member
21. Dr. N. Srinivasu, HoD, Dept. of S&H : Internal Member
22. Dr. K. Kalpana, HoD, Dept. of MBA : Internal Member
23. Dr. B. MadhusudhanRao, Professor, Dept. of MBA : Internal Member
24. Dr. A. Sharada, Prof. and Division Head of English,
Dept. of S&H : Internal Member
25. Dr. M. Sreenivasulu, Prof. and Division Head of
Physics, Dept. of S&H : Internal Member
26. Dr. P.L.N.Varma, Prof. and Division Head of
Mathematics, Dept. of S&H : Internal Member
27. Dr. N. Usha Rani, Prof., Dept. of ECE : Internal Member
28. Dr. K. Hemantha Kumar, Prof., Dept. Of CSE : Internal Member
29. Dr. M. NirupamaBhat, Prof. Dept. Of CSE : Internal Member
30. Dr. N. Veeranjanyulu, Prof., dept. Of IT : Internal Member
31. Dr. ShaikJakeerHussain, Prof., Dept. Of ECE : Internal Member
32. Dr. D. Satyanarayana, Prof., Dept. Of Mech. Engg. : Internal Member
33. Mr. P.V.S. Sobhan, Assoc. Prof., Dept. Of EEE : Internal Member
34. Mr. K. Praveen Kumar, Asst. Prof., Dept. of IT : Internal Member
35. Mr. N.S.N.Murthy, Finance Officer : Internal Member
36. Mr. R. Suresh Kumar, Systems Manager : Internal Member
37. Mr. A. GouriSankarRao, Asst. Registrar : Internal Member
38. Cmde. Dr. M.S.Raghunathan, Registrar : Member Secretary

Leave of Absence

The following members did not attend the meeting due to various reasons:-

1. Dr. M.S.S. Rukmini, Dean - Student Affairs : Internal Member
2. Dr. S. Krupanidhi, Dean, Planning & Monitoring : Internal Member
3. Dr. B.Seetharamanjanyulu, Professor, Dept. of ECE: Internal Member
4. Mr. S.V. Ramakrishna, Assoc. Dan, E&M, Dept. Of CSE : Internal Member

Proceedings of the meeting:

The opening remarks were rendered by the Chair who stated that the University made a good progress since the last Academic Council meeting. He informed the members that UGC 12 (b) status was accorded and the National Board of Accreditation (NBA) was accorded to five departments such as CSE, ECE, EEE,

Mechanical Engineering and Bio Technology. He mentioned that the University secured 100th rank in overall and 118th rank for Engineering as per NIRF rankings. He informed the members that the students were given assignments before the Covid 19 break. The University diligently conducted online classes during the lockdown period and also successfully conducted the online end semester exams. He also informed that 8879 online classes were conducted by 337 faculty. The Chair informed the members of the meeting that the University obtained approval from AICTE for the year 2021 and also mentioned about the reduction of seats in the departments of ECE and MBA. The Chair spoke on the commencement of four new programs in emerging areas namely Artificial intelligence & Machine Learning, Cyber Security, Computer Science - Business Systems and Robotics and Automation, and implementation of decision from AICTE to reduce the duration of MCA from three years to two years. The Chair appreciated the research activity in the University by pointing at 75% of publications published in unpaid peer reviewed journals. He mentioned that VFSTRU will reopen on 13 August 2020 and in case of students not turning up, online classes will be conducted. The Chair concluded his opening remarks by thanking the External members for their good suggestions during the break period.

Dr. Shanti Swarup, External Member remarked that he was impressed by the way VFSTRU displayed resilience during Covid 19 situation. He also said that he was glad about commencement of new programs in emerging areas.

Er. D. Rama Krishna spoke that the pandemic was a major challenge. He advised to share videos for online classes. He also advised to create online labs for the benefit of students.

I. Confirmation of Minutes of the previous meeting

The Minutes of the 23rd Academic Council Meeting held on 29-11-2019 was placed for confirmation. The Chair invited comments from the members on the Minutes of 23rd Academic Council. With no comments, the members confirmed the Minutes.

II Actions taken on the decisions of the previous meeting

1. On the first action taken on the design of syllabi, content and outcomes of M.Sc. (Chemistry), HoD, S&H informed the members that all the suggestions of the Academic Council were implemented. BoS was constituted with experts from IITs,

NITs, Central Universities and industry. The member mentioned that each semester shall have 20 credits. He also mentioned that seminars will be organised every semester.

2. The second action taken regarding research in VFSTRU, the Dean R&D responded that a total of 539 papers were published of which 453 papers were published in unpaid journals. He further informed that 129 papers secured. The Dean mentioned that H-Index of the University is 24.

At this point, Research Advisor Dr. Kavi Kishore mentioned that impact factor as per Thomson and Reuters should be considered. He also mentioned that peer reviewed journals should be considered for publishing papers.

3. Regarding the third action point, Dean, R&D informed the members that 209 faculty members presented 339 papers in national and international conferences.

4. Regarding fourth action point, all the HoDs responded that they conducted remedial classes in their departments for all students with backlogs in I, II and III years.

III. Agenda Items for discussion and approval

1. Revision of Curriculum, structure and regulations for all programmes of M.Tech

Prof. Vijaya Ramu introduced the presentation on revised M.Tech programs that follows Choice based credit system, as in the past. Feedback is obtained from various stakeholders while revising the curriculum. He mentioned that revised M.Tech curriculum comprises of MOOCs courses which are made mandatory. Audit courses are also introduced as per AICTE model curriculum. In addition to it, year long internship/major project, minor projects and Societal-centric/industry oriented projects are introduced. The curriculum lay emphasis on project-based learning approach.

Dr.Kavi Kishore serving as advisor to department of Biotechnology, VFSTR mentioned that there should be separate labs to test the efficacy of natural products. Dr. Shanti Swarup advised the HoD, Biotechnology to consult the seminal research of Mary Oxman in MIT who was working on advanced concepts of Biotechnology. Er.D.Rama Krishna advised that Domain Characteristics and Application of Devices should be introduced in M.Tech Embedded Systems. He also advised to stress on building protocol for communication.

Dr. Shanti Swarup enquired about the Virtual Analysis Technology for which the HoD, ECE responded that they were incorporating.

HoD, Mechanical Engineering presented on the R20 syllabus and he mentioned that new courses like Failure Analysis, Theory of Elasticity and Plasticity and Computer Aided Simulation were included in the syllabus of M.Tech Machine Design. He also mentioned that in the second semester, Robotics and Automation along with three new electives which are included in the curriculum.

HoD Chemical Engineering mentioned that new courses like Food Chemistry and Nutrition were introduced in M.Tech Food Processing Technology.

All the courses in M.Tech as per R20 have been approved by the Council and they cater to employability/entrepreneurship/skill development.

Outcome: Revised regulations of R20 M.Tech for all programmes along with its curriculum, structure and regulations have been approved.

2.Revision of Curriculum, structure and regulation of BBA

The HoD of Management studies presented the revision of BBA curriculum which follows Choice based credit system and brought about skill based learning and Analytics in Marketing and HR streams. The programme was revised by obtaining feedback from various stakeholders. MOOCs courses are also introduced and made mandatory. The HoD presented the semester wise syllabus of revised BBA. She also mentioned that there will be a summer internship for eight weeks. Concerning this, Er. D. Rama Krishna enquired about the inclusion of case studies into the syllabus to which the HoD responded that out of 40 marks of Internal Exams, 5 marks were allotted to case studies. As Dr.Madhusudan Rao enquired on inclusion of society related problems in BBA, the HoD responded that the project work in II and III years corresponds to societal related issues. All the courses in the programme cater to employability/entrepreneurship or skill development.

Outcome: Revised regulations of R20 BBA along with its curriculum, structure and regulations have been approved.

3. Revision of Curriculum, structure and regulation of MCA

HoD IT Dr. Krishna Kishore presented the revised MCA curriculum as per the new regulations of UGC and AICTE which insists that the course duration is to be reduced from three to two years. Er. D. Rama Krishna mentioned that the students passed out of B.Tech will be appointed as Software Project Manager, Quality Management and Tertiary Management. He advised that the system of providing software and the systems in education should be standardized. Er. D. Rama Krishna mentioned that MCA students will be appointed in Testing and Verification, 5G, Security and Wireless Networking Skills. He mentioned that strong skills in

Programming Language and Software Engineering were needed. He informed that lot of tools were available and they are used multi-dimensionally. He stated that EDCI is a major activity in the industry using integrated software. More management courses should be integrated with MCA to improve the decision making skills of students. Dr. K. BabuRao mentioned that theoretical knowledge is less and is required in students. He pointed that there is no management course in 2 year MCA. Dr. Krishna Kishore responded on this and mentioned that Software Project Management is included in the Principles of Management course.

Outcome: Revised regulations of R20MCA along with its curriculum, structure and regulations have been approved.

IV. Agenda Items for Information:

1. Starting of four new B-Tech programmes in Artificial intelligence and Machine Learning, Cyber Security, Computer Science and Business Systems and Robotics and Automation from the new academic year 2020-21:

The Registrar informed the members that AICTE has accorded approval for the commencement of four new B.Tech. programmes with intake of 30 seats each from the next academic year 2020-21.

2. Status of research activities:

Dean R&D responded that 539 papers were published of which 43 were conference papers. Three projects worth Rs. 106 lakhs were in progress. He stated that plans to organize 5 international and 6 national conferences. Total of 36 patents were obtained and 58 doctoral degrees were awarded. The Dean mentioned that the H-Index of the university was 24.

3. Online end semester exams for students:

Dean, Evaluation informed the members of the Council that online exams were conducted for the final year students of VFSTR with the technical support of TCS. For each exam, 60 MCQs were to be answered in 120 minutes. The students writing the exam were monitored through video. The results have been announced in seven days on completion of online exams. The online exams for I, II, and III year students were in progress.

4. NBA Accreditation:

The Registrar informed the members of the Council that after the visit by NBA in February 2020, accreditation was granted to five programs namely BT, CSE, ECE,

EEE and Mechanical Engineering. The Registrar stated that the accreditation will be valid up to 2023.

5. International E-Conference on “Research trends in drug discovery, diagnostics and therapeutics” from 02-07-2020 to 04-07-2020 by department of Bio Technology:

HoD of Biotechnology informed the Council that the conference was conducted from 09:30AM to 04:30PM. Eighteen invited speakers delivered talks in the conference. The HoD mentioned that 1750 registrations and the attendance of 50 scholars were the highlights of the conference. He also informed that articles of the conference will be published in journals.

6. Faculty who have acquired Ph.D since the last AC meeting held on 29-11-2019:

Dean, R&D informed the members that five faculty members from BT, CSE, ECE, EEE and Mechanical Engineering branches were awarded doctoral degrees since the last Academic Council meeting.

V. Any other points with the permission of the Chair:

Two points were raised by the Chancellor as given below:

1. Eminent persons visited and addressed the students on department wise:

The following eminent persons visited VFSTR and interacted with the concerned department students & faculty:

Department	Eminent persons visited & addressed the students
Chemical	(a) Dr.C.R.Sukumaran Associate Dean (Rtd.,) College of Food Science Technology, Bapatla, ANGRAU
	(b) Dr. Tadapaneni Venkata Ramana Rao, Professor, Dept. of Biosciences, Sardar Patel University, Satellite Campus, Bakrol, Gujarat-388120
CSE	(a) Prof DVLN Somayajulu, Director, IIIT, KURNOOL
	(b) Prof D Vara prasad, BMS College of Engineering, Bangalore

	(c) Prof CR Muthukrishnan, former Deputy Director, IIT Madras
	(d) Prof K Babu Rao, Director, Navayuga Infotech, Hyderabad
	(e) Prof Sounder Rajan, Retd Professor of Nanyang Technological University, Singapore
Mechanical	(a) Dr.Dorotya Guban. Scientist, German Aerospace Centre (DLR) Cologne. Germany.
	(b) Dr.Rizlman Mamath Professor in Mechanical Engineering Dept. The University of Malaysia., Pahang
S&H	(a) S. Ilamgovan University of Hyderabad, Resource Person
	(b) Dr. C.V.S. Brahmanand Rao Head, Solution Chemistry & Mass Spectrometry Section, Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamilnadu
Civil	(a) Dr. P. Rathish Kumar Professor - Civil Engineering Department NIT Warangal
	(b) Dr. D.V. Prasada Rao Professor - Civil Engineering Department SV University, Tirupati
ECE	(a) Prof . Krishna Prasad Former Professor, NIT Warangal
	(b) Mr.Pathy Iyer , Head, Business Development - Keysight
	(c) Prof. Dr.Venkatapathy Prithiviraj Former Principal, PEC,Pondicherry
	(d) Prof.Krathi Keyan Professor, IIT Roorkee
	(e) Prof.K. Chandra Bhushana Rao Professor, JNTU, Vijayanagaram
	(f) Dr. A. S. Gandhi NBA expert Member,Professor, VNIT, Nagpur
	(g) Dr. P.K. Singhal NBA expert Member Professor, MITS, Gwalior
EEE	(a) Dr.Narasimham Sundara Rajan Former Director, ISRO Professor, Dept. of EEE NTU, Singapore.
	(b) Dr. Muhammad Harunur Rashid University of West Florida, Pensacola, Florida, USA

	(c) Dr.Sisil Kumarawadu University of Moratuwa, Sri Lanka
	(d) Dr.Dharmasa Pawar National University of Science and Technology, Muscat, Oman
	(e) Dr. Sivaji Chakravorti National Institute of Technology, Calicut, Kozhikode, Kerala
AE	(a) Mr. Vunnava Gopi Chand, Lead Engineer, John Deere India Private Limited, Pune, Maharastra
	(b) Mr. Kiran Raj Goli Principal Advisor to CEO, Avera New and Renewable Energy Moto corp, Nunna, Vijayawada
	(c) Mr. Ch. Raghu Kiran Senior Manager, NTPC, Simhadri, Vishakhapatnam
	(d) Mr. G. Rajkumar Quality Assurance Engineer Kirloskar Toyota Textile Machinery PVT.Ltd.Jigani, Bangalore.
BT	(a) Dr. R. Satish Babu HoD, Biotechnology, NIT Warangal
	(b) Dr. K. Muralidhar FNA, UOH, Hyderabad
	(c) Dr. Noboyosh Yamashita Chief Senior Researcher Env. Management Researcher Grap NIAISR, Onogawa, Ibaraki, Japan.
	(d) Prof. Sankar Mitra Radiation Oncologist Hastar Methochist Research Institute
	(e) Prof. Paturu Kondaiah Chairman, Molecular Reproduction Development and Genetics (MRDG), Indian Institute of Sciences, Bangalore
	(f) Prof. Vadlamudi Raghava Rao Rtd., DG, Anthropological Survey of India
	(g) Prof. Kondapi Anand Kumar Department of Biotechnology & Bioinformatics University of Hyderabad
	(h) Prof. Voleti Sreedhara Chief Executive Officer, Bionest University of Hyderabad
MBA	(a) Ms. T. Yamini, Conference Producer, UBS Mumbai
	(b) Mr. P. Pavan kumar and Sivaramakrishna, Cube welfare society

	(c) Mr Vamsi Krishna Sales Manager & Branch Head, Guntur., HDFC AMC
	(d) M.S.K. Prasad Former Indian National Cricket Team chief selector,
	(e) Mr. Raja Kalahsthi Chief Information Officer, Commercial Bank, USA
IT	(a) Dr. Manish Jain, Corporate Trainer, Samridhi Solutions, Indore
	(b) Mr. Akhilesh Kumar Chousara Corporate Trainer, Samridhi Solutions, Indore
	(c) Dr. Seela Veerabhadreswara Rao, Professor and Head CSE Indian Institute of Technology Guwahati
	(d) Mr. Ravi Teja Vupasi, Mobile Apps Engineer Fintech Software Solutions, Bangalore
	(e) Mr. Prasanth Sahoo, Corporate Trainer and Blockchain expert, TCS, India

2. Suggestions from external experts regarding thrust areas in preparing projects and getting international collaborations:

Department	Thrust areas
Mechanical Engineering.	1. Composite Materials 2. Tools & Machine Condition Monitoring 3. Bio-Fuel Preparation and Characterization
EEE	1. Low power AC-DC converters 2. Long range Electric Vehicles 3. Micro grids
MBA	1. Hospital Administration 2. Digital Marketing 3. E- Commerce

The Chair before winding up the discussion informed the members that there shall be another Academic Council Meeting at the end of August.

The following action points were brought up during the meeting:

Sl.No	Action Point	Action to be taken
01	There should be a thorough study of needs of industry and courses which attract jobs from industry should be identified	HoD, ECE
02	HoDs of Mechanical Engineering, and Applied Engineering should identify interdisciplinary courses for the students and include them in the syllabus.	HoDs of Mechanical Engineering, and Applied Engineering.
03	HoD IT, HoD CSE and Head Mathematics Division to review the content of "Probability and Statistics course for B.Sc and different B.Tech programmes and to harmonize them to the maximum extent.	HoD IT, HoD CSE and Head Mathematics
04	MCA syllabus should be checked for proper share of integration of tools and applications in the courses	HoD IT
05	HoD Mechanical Engineering, HoD Applied, HoD CSE and HoD ECE to review the course on Vehicle Monitoring and Prognosis hardware and software in the other departments and to review whether it is necessary for M. Tech Farm Machinery	HoD Mechanical Engineering, HoD Applied, HoD CSE and HoD ECE
06	HoD CSE shall hold another BoS meeting with additional industry experts and review the courses of its M.Tech after debating on the job requirements for post-graduates	HoD CSE
07	Department of ECE should bring algorithm course into core for its M. Tech program.	HoD ECE
08	The projects being given to the M.Tech VLSI students should be linked to theoretical courses, industry needs and latest devices and requirements.	HoD ECE
09	Testing and validation should be a core for M.Tech VLSI and not an elective.	HoD ECE
10	All courses for new programmes in the emerging areas should be reviewed keeping in view the content being taught in the leading universities.	Dean Academics and HoDs CSE, MECH and IT

There being no further points, the meeting was adjourned.



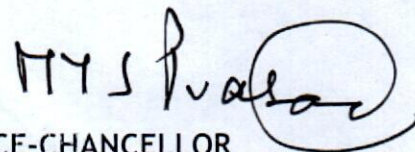
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VICE-CHANCELLOR
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