



F.No.VFSTR/Reg/A5/04/2021-22_03

Date : 19.05.2022

**MINUTES OF THE 30TH MEETING OF THE ACADEMIC COUNCIL HELD ON
7th May, 2022 BY HYBRID MODE (PHYSICAL AND VIRTUAL)**

The Academic Council of VFSTR met on hybrid mode (physical and virtual) on 7th May, 2022 at 10:00 AM in the Board Room, 5th Floor, A-Block. Dr. P. Naga Bhushan, Vice-Chancellor of VFSTR chaired the meeting. The following members were present:

1. Dr. K. Babu Rao
MD, NAVAYUGA Info tech Pvt. Ltd., Hyderabad : External Member
2. Dr. M. Shanti Swarup
Director of Engineering MathWorks, Hyderabad : External Member
3. Er. D. Ramakrishna
MD, Efftronics, Vijayawada : External Member
4. Dr. P.M.V. Rao
Dean, Academic Registration and
Evaluation and Controller of Examinations : Permanent Invitee
5. Dr. V. Madhusudhan Rao, Dean - E&M : Internal Member
6. Dr. D. Vijayaramu
Dean, Academics and Dean, Foreign Collaborations : Internal Member
7. Dr. M. Ramakrishna, Dean - IQAC : Internal Member
8. Dr. K.V. Krishna Kishore
Dean, IT & LIS, I/c Dean - Admission and
HoD, Dept. of IT : Internal Member
9. Prof. S. Krupanidhi
Dean, Planning & Monitoring and HoD, Dept. of Biotech. : Internal Member
10. Dr. G. Srinivasa Rao,
Dean, R&D and HoD, Dept. of EEE : Internal Member
11. Prof. A. Sharada,
Dean-Academic Faculty Development : Internal Member
12. Mr. D. Vijay Krishna, Dean - T&P : Internal Member
13. Dr. M.S.S. Rukmini, Dean - Student Affairs : Internal Member
14. Dr. M. Ramesh Naidu, HoD, Dept. of Chem. Engg. : Internal Member
15. Dr. N. Ruben, HoD, Dept. of Civil Engg. : Internal Member
16. Dr. D. Venkatesulu, HoD, Dept. of CSE : Internal Member
17. Dr. L. S. Raju, HoD, Dept. of Mech. Engg. : Internal Member
18. Dr. K. Kalpana, HoD, Dept. of MBA : Internal Member
19. Dr. Jithendra Ch, HoD, Dept. of Pharmacy : Internal Member
20. Dr. Praveen Kumar, Director of LAW : Internal Member
21. Dr. Shaik Jakeer Husaian, Prof., Dept. of ECE : Internal Member

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| 22. | Dr. N. Usha Rani, Prof., Dept. of ECE | : Internal Member |
| 23. | Dr. N. Veeranjanyulu, Prof., Dept. of IT | : Internal Member |
| 24. | Dr. M. Sreenivasulu, Prof., Dept. of S&H | : Internal Member |
| 25. | Dr. P.L.N.Varma, Professor, Dept. of S&H | : Internal Member |
| 26. | Dr. M. Nirupama Bhat, Prof., Dept. of CSE | : Internal Member |
| 27. | Dr. P.V.S. Sobhan, Assoc. Prof., Dept. of EEE | : Internal Member |
| 28. | Mr. S.V. Ramakrishna, Asst. Prof., Dept. of CSE | : Internal Member |
| 29. | Mr. K. Praveen Kumar, Asst. Prof., Dept. of IT | : Internal Member |
| 30. | Mr. N.S.N. Murthy, Finance Officer | : Internal Member |
| 31. | Mr. R. Suresh Kumar, Systems Manager of IT Services | : Internal Member |
| 32. | Dr. B. Srinivasa Rao, Director, CDOE | : Special Invitee |

Leave of absence:

- | | | |
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| 1. | Dr. N. Narayana Rao, HoD, AE | : Internal Member |
| 2. | Dr. T. Pitchiah, HoD, ECE | : Internal Member |
| 3. | Dr. N. Srinivasu, HoD, S&H | : Internal Member |
| 4. | Dr. B.M. Rao, Professor, Dept of MBA | : Internal Member |
| 5. | Dr. D. Satya Narayana, Professor, Dept of ME | : Internal Member |
| 6. | Dr. B. Seetharamanjanyulu, Prof., Dept. of ECE | : Internal Member |
| 7. | Mr. A. Gouri Sankar Rao, Assistant Registrar | : Internal Member |

The above Internal members have taken permission for leave of absence.

Proceedings: -

The meeting commenced as the Vice-Chancellor was introduced by the Registrar to the External Members of Academic Council. In return, the VC welcomed the External Members to the meeting. The VC in his opening remarks stated that VFSTR should develop to highly capable self-reliant institute of international standards. The VC affirmed that the bubbling energy of the students should be converted into actions. He said that he spoke to the External Members and was impressed by them. He directed that the arrival and departure of external members should be scheduled to facilitate their interaction with students. He envisioned that the External Members should take the positions of Distinguished Adjunct Professors.

The Chair exhorted that VFSTR should upgrade its practices to meet the dynamics of industry. The curriculum should be changed to meet the needs of industry and advances in academics. The Chair also said that the faculty should spend some time in industry and the External members should suggest industry mentors for faculty and students and also to recognize as adjunct faculty.

Agenda

I. Confirmation of the minutes of the previous meeting:

Minutes of 29th Academic Council meeting held on hybrid mode (Physical as well as virtual) were placed for approval. After deliberations, the council approved the minutes.

II. Actions taken on the decisions of the previous AC meeting held on 20-03-2021:

To the first action point, Dean, Academics responded that despite being provided special academic support by assigning student mentors and faculty mentors, the students were scoring low grades in the courses. The HoD, Civil Engineering responded that due to continuous monitoring, mentoring and counselling, the students were able to secure first class. He also said that among sixteen students, only six students narrowly missed distinction.

To the second action point that recommended to apply Analytics to analyse the results, the Dean, Evaluation responded that they were adopting an integrated tool in software. He stated that he could give the complete data by the coming Academic Council meeting. Er. D. Rama Krishna suggested to use the "Power BI" for this purpose.

To the third action point that recommended to drop all the redundant technologies from the syllabi, the Dean, Academics stated that there has been a major revision of the syllabi for every 2 or 3 years and all the redundant technologies will be dropped. He said that the forthcoming R-22 will be an example for this.

To the fourth action point, that recommended to contact RITES to enquire into the possibility of courses offered by Railways, the HoD, Civil Engineering stated that he contacted Mr. Satish, IRS and Mr. Anjeneya Reddy of railways in this respect for inputs. Webinars were conducted for students and value-added course on 'Railway and Airport Engineering' will be offered for III year students. Er. D. Rama Krishna informed that there was lot of demand for Signal Engineers. The Vice chancellor directed the HoD's of ECE and EEE to take the support of Er. D. Rama Krishna and find the possibility of collaborating with RITES.

To the fifth action point that recommended to emulate online coaching platforms and incorporate them in syllabi, Dean, Academics responded that VFSTR offers nine credits through NPTEL (MOOCs) for each of the R21 B.Tech. programs.

To the sixth action point that recommended to introduce computer programming into non-IT subjects by striking a balance with the existing core content, Dean, Academics responded that the percentage of core courses present in the curriculum is 32%. He further stated that the presence of computer courses into the curriculum has not reduced the rigor of the core content.

To the seventh action point the Dean Academics responded that Analytics was made as a core course in the first semester of fourth year along with a lab component.

To the eighth action point to integrate electives in CSE should be organised as specializations, Dean, Academics responded that electives in CSE were offered as a pool.

To the ninth action point that more practice should be given to the students to avoid forgetfulness, Dean Academics stated that laboratory sessions were integrated with majority of courses that enable learning by doing. He also said that inter-disciplinary projects, inter-departmental projects, take home assignments, weekly assignments, quizzes etc were provided to students. The VC in this respect added that there should be experiential learning to overcome the problem of forgetfulness.

To the tenth action point, Dean Academics responded that non-IT/CSE students are expected to learn the overall functionality of computer system together with internal aspects such as organisation and architecture. Students shall learn the Basics of Computers in their first year. Computer Architecture will be floated as a value added course.

To the eleventh action point, the Dean, Academics stated that Mobile Computing was offered as a core course in CSE with lab component and in ECE as a core course. In IT Mobile Computing was added as an elective. He also stated that Cloud Computing - II course was going to be offered as a value-added course. HoD CSE stated that three faculty members were identified to be trained in Cloud Computing and efforts were on to develop Cloud equipment. Dean, Academics further stated that RS and GIS was embedded as a core course in fourth year first semester of B.Tech. Civil Engineering. Data Structures will be introduced in the coming revised curriculum.

III. Agenda Items for Approval:

1. New Academic Regulations - 2022:

Dean, Academics presented that the new academic regulations will be called as R22 and the features of the revised curriculum shall be:

- NEP compliant curriculum
- More autonomy for students and faculty enabling more effective teaching-learning process
- Multiple entry and multiple exit options
- Continuous Assessment rather than examination
- Add-on concept in the form of B.Tech. (Honors) B.Tech. (Major and Minor) Add-on diploma with B.Tech. and Add-on certification with B.Tech.

The total number of credits in this revised curriculum shall be around 160+20. The Dean stated that students shall obtain add-on degree by obtaining additional credits in which there shall be cognate 20 credits for B.Tech. Honors, 20 credits shall be given by sister departments for major and minor, assorted 20 credits for an add on diploma with B.Tech. less than 20 credits for add-on certification with B.Tech. The Dean further presented on the distribution of credits and new multi-level entry and exit model, predominantly to uplift the less fortunate students of B.Sc. and BCA.

The Dean - Evaluation presented the organization of academic session in an Academic Year. It consists of two regular semesters and one summer semester. The syllabus of a subject within a semester will be arranged into two modules and within a module into two units. First Unit covers the fundamentals and broad perspective of the topics to be covered in second unit. Whereas second unit covers advanced topics. The assessment will be continuous and comprehensive that includes MCQ test, Report writing, presentation, experimentation. The division of marks between Formative Assessment and Summative Assessment is 60:40. Two new grades are proposed in R-22 regulation and are 'R' grade (dropped) and "I" grade (Incomplete). These Regulations are discussed in length.

Dean Academics presented a new multi entry - multi exit model predominantly aimed at uplifting the less fortunate 3 year BSc/BCA graduates towards M.Tech (Computer Science), M.Tech (Biotechnology), etc.

As part of this 3 year schedule integratedly leading to M.Tech Programme, B.Sc. / BCA graduates after completing the first one year becomes eligible for the award of Honors / Graduate Diploma. The candidate thus has put in 3+1 = 4 years and he / she could even opt to exit the programmes with the Graduate Diploma / B.Sc. Hons. After successful completion of the first year he / she formally enters the two-year M.Tech. programme. After completing one year in M.Tech. period, if the candidate intends to exit he /she becomes eligible for the award of MCA/M.Sc., etc. After formal completion of M.Tech. 2nd year they become eligible for the award of M.Tech. in the chosen field of specialization.

The Council gave its approval in principle for the new academic regulations.

2. Minor revision in R-21 B.Tech Curriculum

Minor amendments were done for R-21 B.Tech Curriculum integrating the concept of minors except for Computer Programmes. The total number of credits were maintained at 178. Among these, 18 of them account towards minor degree. For computer programmes such as B.Tech Computer Science and Engineering, CSE-Cyber Security, CSE-CSBS, CSE- Artificial Intelligence and Machine Learning and Information Technology, students will undertake courses such as Mongo DB, Full Stack Development Technologies, Software Testing Methodologies to obtain 8 additional credits.

The Council gave its approval for minor revision of R-21 B.Tech curriculum.

3. Seeking approval for the commencement of 3 -year integrated M.Tech. CSE from academic year 2022-23 under NEP 2020.

The agenda point was presented by Dean, Admissions and the council gave its approval in principle, vide the last paragraph in 1 above.

4. Seeking approval for B.Tech. Computer Science and Engineering (Data Science).

This agenda point was presented by HoD, CSE. He mentioned that Data Science was the area where applications of various tools and techniques from the disciplines of

Applied Statistics, Mathematics and Computer Science were used to get greater insights and make better and informed decisions for various purposes by analysing large amounts of data. He further stated that there was a huge demand for professionals as the industries have large volumes of data to process.

Dr. Shanti Swarup stated that Mathematical models and Data Visualisation were important.

The proposal was approved in principle by the Council.

5. Seeking approval for Ph.D program in Pharmaceutical Sciences from the academic year 2022-23.

Dr. Jitendra, HoD, Department of Pharmacy presented on this agenda point stating that the Department of Pharmacy was fully equipped with doctoral staff and functional laboratories. He stated that only a few government universities and two deemed universities were providing the doctoral program in Pharmacy. He said that the department successfully faced all the inspections by PCI. He also stated that a number of students were approaching the department for doctoral programs. He said that there was a migration of students to Department of Chemistry or Bio Technology as there was no doctoral program in the Department of Pharmaceutical Science and sought approval for commencement of doctoral program in Pharmaceutical Sciences. The proposal was approved in principle. The VC directed that the proposal should be presented in the BoS and then to be presented in the next Academic Council.

6. Seeking approval for Ph.D program in Food Technology from the Academic year 2022-23.

HoD, Chemical Engineering presented that a number of universities were offering P.hD program in Food Technology and the department is equipped with expert faculty to run the program.

The proposal was approved in principle by the Council.

7. Seeking approval for new programs in OL and ODL mode and add electives

The Director for Centre of OD an ODL proposed to introduce new electives in MBA-General (ODL and OL programs) like Business Analytics, Logistics and Supply Chain Management, Information Technology Management, Banking and Fintech, Healthcare Management, Digital Marketing, Innovation and Entrepreneurship and start-up applicable from June 2022 according to R-22 regulations for MBA.

The proposal was approved in principle by the Council after discussion.

IV. Agenda item for Ratification

1. Results of Odd semester of all programs of academic year 2021-22.

Dean, AR&E presented the results of odd semester of all programs of academic year 2021-22. The Chair enquired the number of students who completed 4-year B.Tech. within the course duration. The Dean responded that 95% of students registered for final year course work are receiving their degrees within the course duration.

V. Agenda items for Information

1. Details of Vice-Chancellor selection process.

The details of this point were presented by the Registrar.

2. Status of Research activities.

Dean, R&D presented on the status of research activities. He stated that in this year, 4 projects worth of 151.48 lakhs were secured by VFSTR. He also stated that 36 Scholars completed their Ph.D. since the last Academic Council meeting.

3. Organization of departments into schools.

The details of this point were presented by the Registrar. He mentioned that to encourage the cross disciplinary research within the school, allocation of resources, infrastructure within the school, faculty and staff allocation and to meet other responsibilities assigned by the Vice-Chancellor, the departments were organised into schools.

4. Reorganization of Deans.

The details of this point were presented by the Registrar.

5. Faculty who have acquired Ph.D after last Academic Council Meeting.

The Registrar presented that eleven faculty acquired Ph.D after the last Academic Council Meeting.

Having discussed all the points, the meeting was adjourned.

The following action plans were given during the meeting:

Action Point	Action to be taken by
1. Negotiations with industry should be conducted to spare employees for 2 hours a week.	Dean - Promotion, Collaborations & Faculty Affairs & HoDs
2. The number of credits given for each semester should not be more than 25.	Dean - Academics, Assessment and Awards
3. Identify other domains where B.Tech.(Data Science) may be aligned and how to create value for data in these domains	HoD, CSE
4. Enquire on the possibilities of consultancy in Food Technology and advertise the availability of this facility.	HoD, Chemical Engineering
5. Details on steps to be taken to increase the visibility of research papers and details of average number of scholar publications and post-doctoral publications.	Dean - R&D
6. Details of international collaboration, first author publication and the number of CoEs supported by DST.	Dean - R&D

The Chair rendered the closing remarks by thanking all the external members and internal members for their participation. The Registrar rendered the Vote of Thanks. The External members were then felicitated by the Chair.

There being no further points, the meeting was adjourned.



REGISTRAR

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(Deemed to be University)
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GUNTUR (DISTRICT), A.P. INDIA



VICE-CHANCELLOR

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**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd u/s 3 of UGC Act 1956



F.No.VFSTR/Reg/A5/04/2022-23_01

Date : 04.08.2022

MINUTES OF THE 31ST MEETING OF THE ACADEMIC COUNCIL HELD ON 30th July, 2022 BY HYBRID MODE (PHYSICAL AND VIRTUAL)

The Academic Council of VFSTR met on hybrid mode (physical and virtual) on 30th July, 2022 at 10:00 AM in the Board Room, 5th Floor, A-Block. Dr. P. Naga Bhushan, Vice-Chancellor of VFSTR chaired the meeting. The following members were present:

Virtual Participation

1. Dr. K. Babu Rao
MD, NAVAYUGA Info tech Pvt. Ltd., Hyderabad : External Member
2. Dr. M. Shanti Swarup
Director of Engineering, MathWorks, Hyderabad : External Member
3. Er. D. Ramakrishna
MD, Efftronics, Vijayawada

Physical Participation

4. Dr. P.M.V. Rao
Dean, Academics, Assessment and Awards and
Controller of Examinations : Permanent Invitee
5. Dr. G. Srinivasa Rao
Dean, R&D & Dean School of Electrical, Electronics and
Communication Engg. and HoD, Dept. of EEE : Internal Member
6. Dr. K.V.Krishna Kishore
Dean, Technology Development and Dean, Admissions &
Recruitment & HoD, Dept. of IT : Internal Member
7. Dr. Sk. Jakeer Hussain
Dean, Infrastructure, Planning & Monitoring : Internal Member
8. Dr. M.S.S. Rukmini
Dean, Student Affairs, Alumni Linkages, Gender
Sensitization and Discipline : Internal Member
9. Dr. M. Ramakrishna
Dean - IQAC and
Dean School of Civil, Mechanical, Chemical and Textile Engg. : Internal Member
10. Dr. S. Krupanidhi
Dean, School of Natural Sciences & Applied Engg. : Internal Member
11. Dr. D. Venkatesulu
Dean, School of Computing and HoD, CSE : Internal Member
12. Dr. N. Srinivasu
Dean, School of Applied Sciences and Humanities and
HoD, S&H : Internal Member
13. Dr. A. Sharada, Joint Dean - Faculty Affairs : Internal Member

14. Dr. N. Narayana Rao, HoD, Dept. of AE : Internal Member
15. Dr. T. C. Venkateswaralu, HoD, Dept. of Biotechnology : Internal Member
16. Dr. M. Ramesh Naidu, HoD, Dept. of Chem. Engg. : Internal Member
17. Dr. N. Ruben, HoD, Dept. of Civil Engg. : Internal Member
18. Dr. T. Pitchiah, HoD, Dept. of ECE : Internal Member
19. Dr. L. S. Raju, HoD, Dept. of Mech. Engg. : Internal Member
20. Dr. K. Kalpana, HoD, Dept. of MBA : Internal Member
21. Dr. Jithendra Ch, HoD, Dept. of Pharmacy : Internal Member
22. Dr. G. Sitaramanjaneya Reddy, Dept. of Biomedical Engg. : Internal Member
23. Dr. Praveen Kumar, Director of LAW : Internal Member
24. Dr. T. Ramesh Babu, Director - AHS : Internal Member
25. Dr. Kaki Venkat Rao, Prof., Dept. of Mech. Engg. : Internal Member
26. Dr. V. Radha Krishna Murthy, Prof. of Maths, Dept. of S&H : Internal Member
27. Dr. Tondepu Subbaiah, Prof., Dept. of Chem. Engg. : Internal Member
28. Dr. Koya Prabhakar Rao, Prof. of Chemistry, Dept. of S&H : Internal Member
29. Dr. J. Nitchal Kiran, Prof. of Physics, Dept. of S&H : Internal Member
30. Dr. P. Ashok Kumar, Prof., Dept. of Chem. Engg. : Internal Member
31. Dr. B. Nageswara Rao, Prof., Dept. of Mech. Engg. : Internal Member
32. Dr. M.Sarada, Prof., Dept. of ECE : Internal Member
33. Dr. B. Prema Mayudu, Prof., Dept. of IT : Internal Member
34. Dr. D. Vinay Kumar, Assoc. Prof., Dept. of Mech. Engg. : Internal Member
35. Dr. Anandarup Goswami, Assoc. Prof. of Chemistry : Internal Member
36. Dr. G. Nageswara Rao, Assoc. Prof. of English, Dept. of S&H : Internal Member
37. Dr. N. Ananda Rao, Asst. Prof., Dept. of ECE : Internal Member
38. Mr. N.S.N. Murthy, Finance Officer : Internal Member
39. Mr. R. Suresh Kumar, Systems Manager of IT Services : Internal Member
40. Mr. K.J.N.V. Narasa Reddy, Asst. Registrar : Internal Member
41. Dr. N.S. Sampath Kumar, Joint Dean - AAA : Special Invitee
42. Dr. N. Veeranjaneeyulu, Coordinator of BCA & MCA Programs : Special Invitee
43. Dr. V. Ramakrishan, Professor of Statistics, Dept. of S&H : Special Invitee
44. Dr. M. Sreenivasulu, Professor of Physics, Dept. of S&H : Special Invitee
45. Dr. P.L.N.Varma, Professor of Maths, Dept. of S&H : Special Invitee
46. Cmde. Dr. M.S.Raghunathan, Registrar : Ex-officio Secretary

Leave of absence:

1. Dr. D. Vijayaramu, Dean, Promotion, Collaborations & Faculty Affairs : Internal Member
2. Mr. D. Vijay Krishna, Dean - T&P : Internal Member

3. Dr. N.Satya Sree, Prof. of Chemistry, Dept. of S&H : Internal Member

The above Internal members have taken permission for On Duty and leave of absence.

At the outset, the Vice-Chancellor welcomed all the members for the meeting and opined that 30th of July 2022 will be a historic day since VFSTR is going to adopt the NEP - 20 structures in R 22 regulations. He said that the adoption needs courage, willpower and determination for this is going to bring massive change in the system. He then welcomed all the new members for the meeting and announced the reconstitution of Academic Council.

In his opening remarks, the External Member, Dr. K. Babu Rao responded that VFSTR was progressing well. He said that the institution shall continue to grow.

In his opening remarks, Er. Rama Krishna, External Member expressed that the University is in the right direction. He informed the members that industry needs capable manpower and regretted that students are joining in non-CSE branches in a very less number. He informed that IETS is providing 75% of jobs in the current job market.

In his opening remarks, Dr. Shanti Swarup, External Member expressed his regrets for not attending the 31st Academic Council in person. He advised to provide quality education to students. He said in these days, Deep Learning and Machine Learning are dominating the market. He expressed his wish that, the discussions and decisions to be taken in the meeting shall have a long lasting legacy.

Proceedings:

I. Confirmation of minutes of previous meeting:

Minutes of 30th Academic Council meeting held in hybrid mode (physical as well as virtual) were placed for approval. After deliberation, the Council approved the minutes.

II. Actions taken on the decisions of previous AC meeting held on 7th May, 2022:

Dr. A. Sharada, representing Dean, Promotion, and Collaborations & Faculty Affairs responded regarding the action taken with respect to negotiations with industry to spare their employees for 2 hours a week and said that, it was a tradition in VFSTR to conduct value added courses and modular courses exclusively offered by industry personnel. She further said that, this was put into practice in R22 curriculum, wherein Saturday of every week was meant for Industry - Institution interaction in the form of guest lectures, courses, workshops and brainstorming sessions to keep abreast of latest things happening in the field.

Dean, AAA while responding to the second action taken report regarding the decision to limit the number of credits for every semester to not more than 25, stated that, in R22 regulations, the maximum number of credits that students can register in a semester was limited to 25.

Presenting the action taken report on third point, HoD, CSE explained the interdisciplinary nature of Data Science and stated that the action plan to transform data science students as domain experts by practising use cases in variety of domains designed as part of their assignments and lab experiments so that student acquires sufficient knowledge to work in any area. Further, students will be encouraged to choose open elective courses from the domain of their interest. The HoD, CSE finally stated that, the students will be advised to pursue project in on or two of the industry domains to get domain expertise.

HoD, Chemical Engineering while responding to the action taken report accepting the possibilities of consultancy in Food Technology stated that instruments for food analysis were available in the department and recently, GC and HPLC were procured. He stated that his department was establishing a separate lab after which NABL accreditation will be completed. He also stated that, in the month of August, faculty will be visiting the industry to advertise the availability of facility of consultancy. He said that in the coming ACM he shall submit the report of faculty visit to industries.

Answering the action taken report to increase the visibility of research papers and details of average number of scholar publications and post-doctoral publications, Dean, R&D answered that, list of highly cited research papers of VFSTR was sent to researchers through mail once in a month to improve the visibility. He also mentioned about the plan to initiate Research Newsletter. The Dean also gave the number of Ph.D scholars in the university.

Dean, R&D, answering the next action taken point, said that there were four Centers of Excellence and one of them was supported by Keysight. Responding to the presentation of the Dean, Dr. Shanti Swarup enquired about the support given by DST to the Centres of Excellence and the Dean regretted that no support was given by DST to CoEs in VFSTR and also mentioned that the CoEs were generating income up to Rs. 3.8 lacs per year by testing samples on their own.

III. Agenda Items for Approval:

a. Academic regulations, curriculum and course contents R22:

The Chair mentioned that the new academic regulations were placed before all BoS members and their opinion was sought. He sought the permission of AC to implement the new academic regulations in II year (i.e. migration from R21 to R22) along with I year of B. Tech.

Dean, AAA presented on this agenda point by mentioning the salient features of R22 regulations being

- i. Multi-disciplinary
- ii. Continuous learning
- iii. Continuous assessment
- iv. Honour/Research Honours/Minor/ Add-on Diploma/ Add-on certification

- v. Lateral entry and lateral exit options
- vi. Semester drop option to pursue innovation, incubation, entrepreneurial and advanced exploratory activities and subsequent re-entry
- vii. Dual B.Tech, plus M.Tech. / MBA degree of five years
- viii. Credit earning by credit transfer

The Dean stated that R22 Academic regulations, curriculum and course contents is an articulation of the VFSTR deemed to be University's commitment towards NEP-2020, with a view that it enables student(s) to maintain the spirit of continuous learning and continuous assessment to replace the normal tendency.

He described the LTP structure and credits of the new system by comparing the new structure of LTP with that of the previous academic regulations. He showed that the lecture hours per semester for R16 and R19 were 136 and 111 respectively while in R22, the Lecture hours were reduced to 86 per semester. The Dean presented on the increase of Tutorial hours to 24 from 10 and 5 of R16 and R22 respectively. The Dean presented on the increment of Practical hours to 137 from 102 and 117 of R16 and R22. There shall be 161 credits per semester as per the new regulations.

The Credits distribution for various categories of various courses was presented by the Dean in the manner shown in the table below:

Category of Courses	Range of Credits	Its share (in %)	AICTE Recommendation
Professional Core	49 - 57	30 - 35	30 - 40 %
Electives (Department specific and open other department)	30 - 36	18 - 22	14 - 25 %
Basic Engineering	20 - 25	12 - 16	14 - 18 %
Humanities and Management	11	7	7 - 10 %
Basic Sciences	19 - 23	12 - 15	-----
General Life Skills	4	2.4	12 - 18%
Projects	14	9	6 - 10 %
Total	161		

The Dean, AAA presented the academic calendar and organization of modules. The year of 12 months will be divided into 3 parts. First part is Odd semester or First semester from July to November will have two modules (Module 1 and Module 2) for instruction which will be further divided into four units in two pairs like (U1, U2) under Module 1 and (U1 and U2) under Module 2. The first four months culminate in Formative Assessment and the fifth month will end in Summative Assessment. The Even semester or second semester (from December to April) has the similar arrangement of modules, units and Assessment as that of Odd semester. The summer semester will be from May to June.

The Dean, AAA presented that the overall assessment is for 100%. The Formative Assessment is for 60% (during the semester) while Summative Assessment is for 40% (at the end of the semester). The 60% of assessment under Formative Assessment is composed of 30% of Module 1 and 30% of Module 2. The Summative Assessment is composed of 40% of Module 1 and 2.

Module 1 will be allotted eight weeks of duration. In the first week, i.e. commencement of the semester, there shall be announcement of Module Bank with questions of exploratory, creative / design and thought provoking in nature.

At the end of fifth week, there shall be Test I (Part A-Pre-announced Module Bank; Part B - Unrevealed problems). At the end of sixth week, Test II in validating problems given in Test I will be done by learners. At the end of seventh week, the student shall submit a report of Test II in IEEE format and a PPT presentation with an inbuilt voice. At the end of eighth week, online Test 4 will be conducted with MCQs based on Module 1 content. Test five shall be CLAs for practice sessions and set of assignments.

The contents of Unit I shall be fundamental and of broad perspective and contents of Unit II will be from advanced topics and practice sessions.

Based on two Modules total assessment = $60 \times 2 = 120$. The marks scored will be suitably mapped down to a score for a max of 60.

This forms the formative assessment score (60%)

If the candidate scores less than 35% i.e. $35 \times 60 / 100 = 21$ marks, then the candidate is said to have Dropped in that course, He will be placed under R - grade -Repeat

If the attendance in the formative learning session is less than 75% then the candidate is said to be Dropped in that semester (R - Grade)

A Dropped course may be registered by a candidate in the summer semester. However maximum credits that can be acquired in a summer semester is 16 only, Candidate has to pay additional fee for summer semester (Fee proportional to the credits)

The candidates who have successfully completed Formative Assessment will take the Summative Assessment which is for 40%.

This can be in one part (40)
Or in two parts (15+25) Or (20+20)

The examination for summative assessment will be during 17-20th week of the semester.

Part No.	No of Questions	Marks for each Question	Marks	Choice
A	4	10	40	No
B	2	20	40	No
Total Marks			80	

If a candidate secures less than 35% in the summative assessment $35 \times 40 / 100 = 14$ Marks, then the candidate is put in to Incomplete grade (I- grade). The I-grade can

be completed by a candidate, appearing in the supplementary Summative Assessment.

The Dean, AAA discussed the qualifying criteria as follows:

Attendance compliance should be 75% or within condonable range; else the candidate is put into 'R' grade

In formative assessment, a candidate should secure a minimum of 35% *ie.* 21 marks out of 60; else the candidate is put into 'R' grade

In summative assessment, a candidate should secure a minimum of 35% *ie.* 14 marks out of 40; else the candidate is put into 'I' (Incomplete) grade.

Collectively the candidate should secure a min. grade of 4.0 in a scale of 10 after relative grading; else the candidate has to choose either 'R' or 'I' grade duly being counselled

The rules regarding semester end assessment activities are discussed by the Dean which are as follows:

Setting of semester-end summative assessment question papers will be coordinated by the lead instructor assigned for a particular course.

Two sets of question papers will be submitted latest by the 12th week of the semester.

There shall be 'Summative Assessment Question Paper Scrutiny Committee' which would be constituted with external experts. Experts are empowered to modify/ rephrase the questions

The question wise marks scored in the summative assessment out of a total of 80 will be made available online within two weeks from the last date of examination and would be kept active for 24 hours. Latest by the end of 48 hours from the instant of notification any candidate can submit an appeal online providing question wise claim.

Claims for re-assessment on P-based courses are not allowed.

The total marks $M =$ marks scored in the formative assessment + marks scored in the summative assessment is transformed into relative grade expressed accurate to two decimal places as follows:

$$\text{Relative grade (G)} = (M/Th) \times 10 \text{ [and limited to 10]}$$

Course wise grading information:

Relative Grading Range	Category
9.50	Out Standing
8.50 - 9.49	Excellent
7.00 - 8.49	Very Good
6.00 - 6.99	Good
5.00 - 5.99	Fair
4.00 - 4.99	Marginal

Transitional Grade	Repeat
Transitional Grade	Incomplete

The Dean presented on the award of class as follows:

CGPA	Class/ Division
8.0 and above	First Class with Distinction
6.5 and above but less than 8.0	First Class
6.0 and above but less than 6.5	Second Class
Less than 6.0	Pass Class

The Dean then presented on the Add on Provisions.

161	B.Tech. degree programme
161 +20	B.Tech. with Honors (Specialization: XX) B.Tech. with Research Honors in YY Engineering (Spec: XX)
161 + 20	B.Tech. with Minor Specialization in XX B.Tech. with Add-on Diploma
161 + Less than 20	B.Tech. with Add-on Certification
161 + 20 + 64	Dual (B.Tech. + M.Tech.) degree programme of 5-years Dual (B.Tech. + MBA) degree programme of 5-years

The Dean then presented on the notable minors:

Cyber Law, IPR & Constitutional Laws

Smart farming: The future of Agriculture

Entrepreneurship

Event management

NCC

Healthy and happy living

Photography and digital film making

The Dean then presented on B.Tech with Research Honors:

Should register add-on credits for Honors specializing in a particular stream XX.

Maintain a CGPA of 8.0 up to the end of 5th semester (III-year Odd semester)

Sem I - IV	Sem V	Sem VI	Sem VII	Sem VIII
Regular	Willingness	Research Methodology as Open elective-3	Research preliminaries for Honours- 4 credit requirements. This will be a research project work by itself in the broad area of the proposed research problem	16 credits (which is combined project work of 12 credits and Honours-5 of 4 credits)

Candidate should have successfully earned $161 + 20 = 181$ credits following the aforementioned procedure to qualify for B.Tech. in YY Engineering with Research Honours (Specialization: XX).

The Dean then presented the Dual B.Tech. + M.Tech. degree. He stated that this plan would effectively reduce the study period from 4 + 2 i.e six years to around five years. He stated that 12 semesters plan would be intact by making use of two summer semesters and technically maintaining the requirement to complete 8 semesters of B.Tech. + 4 semesters of M.Tech. i.e. 12 semesters of the program.

Period	M.Tech. semester	Cumulative semester count	Expected study coverage
Summer Semester between III & IV	I	7 th semester	12 credits of M.Tech. aligning with M.Tech. Odd semester
Regular VII semester		8 th semester	As per B.Tech VII semester curriculum
Regular VIII semester	II	Internship/ Project suspended. 9 th semester	16 credits of M.Tech. aligned with M.Tech. even semester and 4 credits of Honours/ Minor would continue
Summer Semester between IV & V	III	10 th semester	Remaining core/ electives required in M.Tech. - 12 credits
Regular odd semester in V year	Suspended B.Tech. VIII semester credits IV semester	11 th semester	Internship/ project work 12 credits corresponding to B. Tech. Research Methodology and preliminary Research work with a project of 8 credits
Regular even semester in V year	IV semester	12 th semester	Research project of M. Tech. - 16 credits.

The credits required of both B.Tech. and MBA are satisfied along with the 12th semester requirement for B.Tech. and MBA put together

B.Tech. degree = 161

MBA degree = 64 (16+ 16 +20 +12 credits) +20 Add-on credits (opted in B.Tech. for Management minor.

Total credits = $161 + 20 + 64 = 245$

Then the Dean presented the Lateral Entry and Lateral Exit options in the R22 academic regulations. He said that the new regulation permits -

Lateral Entry into II year of B.Tech.

Inter- Institutional Credit Transfer

Honorable exit with B.Sc. or Engineering Diploma

B.Sc. degree/ Engineering Diploma will be awarded candidate who has earned a min. of 120 credits and has completed all the requirements up to the end of six semesters.

In case the candidate fails to earn 120 credits, a suitable certification will be awarded during his/ her exit from B.Tech. degree.

Volunteer 'Drop' with Semester Drop option.

Dr. Shanti Swarup advised that the word 'Drop' be replaced with 'Sabbatical'.

At the end the Dean presented

1. Proposal to Migration of R21 1st year students into R22 Curriculum from their 2nd year onwards.
2. Proposal to implement R22 regulations for programs:
BBA, BBA Honours & MBA,
BCA, BCA Honours & MCA,
B.Sc. & B.Sc. Honours & M.Sc

The Dean further stated that since the End semester question papers procured from IITs and NITS until now were inferior in standard, question papers in this plan will be prepared by the internal experts and a committee of Internal experts will modify the papers. Marks will be given to the students in three weeks after evaluation.

After the Dean's presentation, Er. Rama Krishna commented that, behavior and attitudes were important for industry. He said that these were the days of mindset, practice and technology.

Dr. Shanthi Swarup expressed his full faith in the plan saying that the students will be significantly benefitted by the new academic plan. He said that Module Bank should cover all contents of subject concepts stating that Module Bank was the key. He also stated that faculty should take up the chance for remedial and there should be analogous plan for faculty in preparing the Module Bank.

Prof. A. Sharada commented that there should be no simple and direct questions and assignment questions should be two or three layered. She further stated that library reference and consultation should be needed.

Dr. Babu Rao stated that the plan was worth the appreciation.

The Chair responded that Module Bank should contain exploratory questions and they should be changing. They shall not be placed in library. He further stated that mapping should be in favor of learners, it should be transparent and visible. He also said that mapping down will be done carefully.

The Chair stated that Module 1 shall deal with the basics and Module 2 i.e. remaining 6-8 weeks for advanced studies. T1 to T3 will deal with vertical learning and T4 shall covert the breadth assessment and prepare the student for GATE. T5 shall reorient the student. Marks will be on the scale of 0-10. The Chair clarified that the plan adopts mapping down instead of scaling down. The cut-off for passing is only 35%.

The Registrar moved the resolution about the new academic plan R22 before the Council for approval.

The plan discussed above was unanimously approved by the Academic Council.

b. Ph.D. Regulations 2022:

Dean, R&D presented on the new Ph.D regulations 2022. In the preamble, the Dean mentioned that the objective of the Ph.D. Regulations-2022 is to come out with regulatory mechanisms as per NEP-2020 that ensure flexible and conducive passage for the research scholars towards completing Ph.D. requirements and getting awarded with the degree. He said that the visible agenda for framing new regulations is to enhance the Gross Qualification Index (GQI) and developing the nation into global knowledge super power.

The salient features contained in the regulation are

Flexible admission opportunity to the research serious aspirants, both for candidates who are fresh graduate and post graduate scholars and for serving professionals.

Research field specific course work comprising of Research Methodology, Documentation, Breadth and Depth studies

Honorable exit option to alleviate the possible disappointment of the candidates due to incompleteness of research work because of unforeseen exigencies.

The Dean, then discussed the eligibility for admitting into VFSTR for Ph.D.

The candidates who has UG / PG qualification /pursuing PG are eligible for admission into Ph.D under Internal Category and External Category. He also stated that Candidates from Institution/ organization who has a MoU with VFSTR will be considered as Internal candidates.

The Dean, then discussed the admission process for Ph.D in VFSTR

1. Applications for the Ph.D. program shall be open and shall be considered round the year and admissions being made are aligned with the commencement of next semester.
2. All eligible candidates have to appear for an Analytical Ability and Research Aptitude Test(AARAT), the syllabus for which will be provided in the University website.
3. Candidates who have qualified in the GATE / CSIR-UGCNET / SLET/CAT / GMAT /GPAT / GRE / JEST / NBHM / JGEEBILS etc. may be exempted from appearing in the AARAT. However, they should appear for the interaction.
4. The prospective candidates shall be called for one-to-one interaction with the research supervisor(s) in a combined meeting or individually as convened by the Dean-R&D.
5. The selected candidates complete the admission process through the office of Dean R&D.

The candidate enrolled for Ph.D. shall go through the following stages for the award of degree.

1. Formation of DC
2. Coursework

3. Research Proposal
4. Research Progress Review
5. Publication of research work
6. Finalization of the focused title for the research thesis
7. Synopsis submission
8. Pre-Thesis Colloquium
9. Thesis submission

Candidates admitted with PG qualification must acquire at least 18 credits, out of which the 8 credits from Breadth and Depth courses.

Candidates admitted with UG qualification must acquire at least 40 credits.

The Dean then presented the duration of the program.

Candidates admitted with PG qualification may submit the thesis only after completing a minimum of two and half years (Five semesters) from the date of registration (That is the candidate may submit the thesis in his/her VI semester).

Candidates admitted with UG qualification may submit the thesis only after completing a minimum of three and half years (seven semesters) from the date of registration (That is the candidate may submit the thesis in his/her VIII semester).

The Dean then presented on the following:

Calendar for submission

Publication of research work

Panel of adjudicators

Open Defence and award of Ph.D

Honorary exits and re-join after honorary exits

When the Registrar moved the resolution for the approval of Ph.D., the Council gave its approval.

Dr. Shanti Swarup mentioned that concerning the honorary exit, PG shall be awarded for knowledge and not to consider the aspect of surrender.

c. Details of students eligible to get degrees during the Tenth Convocation.

The Dean, AAA presented that there was a pass percentage of 88% of B.Tech students who appeared for the exam of which 94% were girl students and 80% were boy students. The Dean said that 1734 students were getting the degree in this Convocation.

Dr. Shanti Swarup advised to encourage the students into honours and if students are scoring distinction, they should be pushed into honours. When Dr. Shanti Swarup sought information regarding pass percentage, the Chair mentioned that the students were not drop outs, and the charts showed the percentage of students who

completed B.Tech. in four years. He also mentioned that there were students who took more than four years to complete B.Tech.

Er. Rama Krishna mentioned that Data Analytics should be adopted to take decisions.

IV. Agenda items for Ratification:

There were no agenda items for ratification

V. Agenda Items for Information:

a. Details of 10th Convocation 2022 tentatively scheduled during end of August 2022.

The agenda point was presented by the Registrar. All the External Members were invited for the Convocation.

b. Status of Research Activities:

Dean, R&D, under this agenda point presented the following.

1. No of papers published in 2022 as on today
2. No of papers published in 2021
3. No of Citations
4. H-Index of University
5. No. of Ph.Ds Awarded
6. No. and worth of Projects sanctioned
7. Consultancy Generated
8. Resource Mobilization for Research
9. Patents published / granted from 2014-2021
10. Conferences organized / to be organized
11. Strategic Plan in Next Five years

c. Career Advancement Scheme - 2022:

The Registrar presented on the CAS - 2022 and said that 29 faculty were promoted from Assistant Professors to Associate Professors.

AE (01), CSE (02), English (03), Maths (02), Physics (02), Chemistry (03), ECE (04), BT (04), EEE (03), Textile Engineering (01) Chemical Engineering (02) and Mechanical Engineering (02)

d. Performance in NPTEL:

Dr. Zakir Hussain, Co-ordinator NPTEL presented on the performance of students and faculty in NPTEL.

e. Ph.D program in Statistics:

Dr. V. Rama Krishna presented on the proposal to commence Ph.D program in Statistics. He mentioned that the Department of Statistics has all doctoral degree holders and many have research experience of more than three years.

Dr. Shanti Swarup sought for a more comprehensive presentation on this agenda point.

Er. Rama Krishna enquired about the continuance of semester long internship for which the Chair responded positively.

The Chair congratulated all the members presented for the commencement of new academic plan. The Chair thanked all the External members for their support and said that their wisdom shall help the institution.

Having discussed all the agenda points, the meeting was adjourned.

The following action point was initiated in the meeting:

Action Point	Action point referred to
HoDs of IT and CSE should take note of Data Mining for academics and placements.	HoDs of IT and CSE


4.8.2022
REGISTRAR

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA


4/8/22
VICE-CHANCELLOR

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA

Minutes of 32nd Meeting of the Academic Council

Date: 10/12/2022 (Saturday) at 10.00 a.m.

Venue: Chairman's Board Room, A-Block, VFSTR

**Vignan's Foundation for Science, Technology and
Research**

Vadlamudi, Guntur

Andhra Pradesh - 522213

MINUTES OF THE 32nd MEETING OF THE ACADEMIC COUNCIL HELD ON 10TH DECEMBER, 2022. (Physical and Virtual)

The members of Academic Council met on 10th December, 2022 at 10:00 AM in the Chairman's Board Room, A-Block. Prof. P. Nagabhushan, Vice-Chancellor of VFSTR chaired the meeting. The following members were present:

1. Dr. K. Babu Rao
MD, NAVAYUGA Info Tech. Pvt. Ltd., Hyderabad : External Member
(Virtually attended)
2. Dr. M. Shanti Swarup
Director of Engineering, MathWorks, Hyderabad : External Member
3. Er. D. Ramakrishna
MD, Efftronics, Vijayawada : External Member
4. Dr. P.M.V. Rao
Dean, AAA and Controller of Examinations : Permanent Invitee
5. Dr. D. Vijayaramu
Dean, PCF : Internal Member
6. Dr. M. Ramakrishna, Dean - IQAC and Dean School
of Conventional Engg. : Internal Member
7. Dr. K.V. Krishna Kishore
Dean, IT & LIS, I/c Dean - Admission and
HoD, Dept. of Computing and Informatics
Dean School of Computing and Informatics : Internal Member
8. Prof. S. Krupanidhi
Dean School of Biotechnology and Pharmaceutical Sciences : Internal Member
9. Dr. G. Srinivasa Rao,
Dean, R&D : Internal Member
10. Mr. D. Vijay Krishna, Dean - T&P and
Dean School of Law and Management : Internal Member
11. Dr. A. Ravi Shekhar, Dean, Technology Development : Internal Member
12. Dr. Shaik Jakeer Husaian,
Dean - Infrastructure, Planning & Monitoring : Internal Member
13. Dr. T. Ramesh Babu
Dean School of Agri, Food Sciences and Technology and
Director - Agricultural and Horticultural Sciences : Internal Member
14. Dr. N. Srinivasu
Dean School of Applied Sciences and Humanities : Internal Member
15. Dr. N. Usha Rani
Dean School of Electrical, Electronics and Communication Engg. : Internal Member
16. Dr. N. Veeranjaneyulu,
Director - CDOE and HoD, Dept. of IT : Internal Member
17. Dr. M. Ramesh Naidu, HoD, Dept. of Chem. Engg. : Internal Member
18. Dr. N. Narayan Rao, HoD, Dept. of AE : Internal Member
19. Dr. N. Ruben, HoD, Dept. of Civil Engg. : Internal Member

20. Dr. D. Venkatesulu, HoD, Dept. of Applied Advance Computing : Internal Member
21. Dr. T. Pitchaiah, HoD, Dept. of ECE : Internal Member
22. Dr. P.V.S. Sobhan, HoD, Dept. of EEE : Internal Member
23. Dr. L. S. Raju, HoD, Dept. of Mech. Engg. : Internal Member
24. Dr. K. Kalpana, HoD, Dept. of MBA : Internal Member
25. Dr. Jithendra Ch, HoD, Dept. of Pharmacy : Internal Member
26. Dr. Praveen Kumar, Director of LAW : Internal Member
27. Dr. M. Sreenivasulu, HoD, Dept. of Physics : Internal Member
28. Dr. P.L.N.Varma, HoD, Dept. of Mathematics and Statistics : Internal Member
29. Dr. Koya Prabhakara Rao, Dept. of Chemistry : Internal Member
30. Dr. Kaki Venkat Rao, Prof of Mech. Engg. : Internal Member
31. Dr. V. Radha Krishna Murthy, Prof of Mathematics : Internal Member
32. Dr. T. Subbbaiah, Prof of Chemical Engg. : Internal Member
33. Dr. J. Nitthal Kiran, Prof of Physics : Internal Member
34. Dr. P. Ashok Kumar, Prof of Chemical Engg. : Internal Member
35. Dr. B. Nageswara Rao, Prof of Mech. Engg. : Internal Member
36. Dr. M. Sarada, Prof of ECE : Internal Member
37. Dr. B. Premamayudu, Prof of IT : Internal Member
38. Dr. G. Mohanacharyulu, Prof of English : Internal Member
39. Dr. D. Vinay Kumar, Assoc Prof of Mech. Engg. : Internal Member
40. Dr. A. Goswami, Assoc Prof of Chemistry : Internal Member
41. Dr. N. Ananda Rao, Asst. Prof, Dept of ECE : Internal Member
42. Dr. G. Nageswarara Rao, Assoc. Prof of English : Internal Member
43. Mr. N.S.N. Murthy, Finance Officer : Internal Member
44. Mr. R. Suresh Kumar, Systems Manager of IT Services : Internal Member
45. Mr. KJNV Narasa Reddy, Asst. Registrar : Internal Member
46. Cmde. Dr. M.S. Raghunathan, Registrar : Secretary

Special Invitees:

Dr. Anjana Devi, Assoc. Prof, Dept. of Biotechnology

Dr. Ashutosh Kumar Dikshit, Asst. Prof, Dept. of ECE

Dr. A. Avinash Reddy, Asst. Prof, Dept of CSE

Ms. B. Jyotsna Devi, Asst. Prof., Dept of CSE

Leave of Absence:

1. Dr. M.S.S. Rukmini, Dean - Student Affairs
2. Dr. B. Nageswara Rao, Prof., Dept. of Mech. Engg.
3. Dr. N. Satya Sree, Prof., Dept. of Chemistry

Minutes of the 32nd Meeting of the Academic Council
Date: 10/12/2022 [Saturday] at 10:00 a.m.

Item	
	<p>Welcoming the members of Academic Council by the Registrar. The meeting commenced with the remarks of the Chair, Prof. P. Nagabhushan. The Chair positively wished that Dr. Babu Rao also attend the meeting physically. Then the Registrar formally welcomed all the members of the Council. He wished for an in-depth discussion of the agenda and said that all the items approved shall be placed in the BoM meeting which was scheduled on 24th of December, 2022.</p>
I	<p>Approval of the Minutes of 31st Academic Council meeting held on 30-07-22. Minutes of Meeting enclosed.</p>
	<p>The Registrar read out the salient features of the previous Academic Council meeting. After deliberation, the Council approved the minutes of 31st Academic Council.</p>
II	<p>Action taken on the decisions of previous Academic Council meeting held on 30-07-22.</p>
32/01	<p>The HoDs of CSE and IT departments responded to the action point of the previous Academic Council meeting stating that, in academics and placements, Data mining and Analytics were being used. The Placement Cell was analysing students' performance in various training activities spread over the previous two years before the placement drives. Company specific training was being organized based on skill sets required, identifying and focussing on gaps in skill sets.</p> <p>The HoDs stated that advanced learners were also being identified by adopting Analytics to support slow learners and improve placements. Various Analytics were being used by academic planners to design a strategy to improve the performance of students in academics. The HoDs stated that this arrangement will increase the chances of students in obtaining suitable placements.</p>
III	<p>Agenda Items for Approval</p>
32/02	<p>i. Extension of R-22 regulations and model syllabus to M.Tech., B.A. LLB(Hons), B.B.A. LLB(Hons), M.A. English and M.Sc. Chemistry</p> <p>Dean, AAA presented the salient features of R22. He spoke on the time-line for content coverage. He stated that faculty were trained on creating the Module Banks. The Module Banks of 97 courses were personally checked by the Vice-Chancellor. Question papers of good quality were given for assessment. The marks scored by the students were comparatively less than those secured in conventional tests. Students were referring books and exchanging information. They were preparing PPTs and documents in IEEE formats.</p> <p>He then presented the performance of students in Module 1 which recorded that no student secured the marks less than 35% indicating that performance has not fallen below a certain limit.</p>

The Dean presented the list of open electives. Seventeen open elective streams were given to students and 1309 students opted for open electives and 371 students opted for open electives via NPTEL. He also stated that 591 students opted for Honours and 1079 students opted for Minors.

He then spoke on the programs to be brought under R22. M.Tech. has nine specifications and reference credits of M.Tech. program were presented after comparing them with credits of programs under AICTE, National Credit Network, IIT Allahabad, IISC Bangalore, R20 VFSTR and R22 VFSTR. He mentioned that a student shall secure 12 credits to obtain an Add on certificate

The Chair explained the performance of students through a sample case of Module 1. The Chair further mentioned that students of VFSTR shall be on par with students of higher learning institutes and stated that LTP structure has good pay offs. He also informed the members that teachers of VFSTR were interacting with industry professionals for continuous improvement of the system.

The Dean, AAA then presented on the course structure and employment orientation of M.Tech. under R22.

Er.D. Ramakrishna responded that communication skills were vital to the students and mentioned about huge change in the industry set up. He mentioned about the technological component that was to be amalgamated with academics. He pointed at the gap between industry and academy. He advised that Descriptive Analytics were needed for AI and ML. He stressed on the growth mind set needed for people. He appreciated the decision to take assessment system in a new direction by adopting world class systems and plans.

Dr. Shanti Swarup remarked that teaching should be minimized and communication skills in writing should be included.

Dr. K. Babu Rao stated that students should be trained in technical writing.

The Chair responded to this stating that under R22, T1 was composed of original problems and makes the student write original reports. The Chair also said that at M.Tech. level, T5 demands original report writing from students.

The Dean, AAA stated that from M.Tech., there is a provision for onward continuation to Ph.D. that commences during the M.Tech. II year. The faculty mentor shall be the guide to the scholar under this system.

Er.D. Ramakrishna questioned the convergence of Minor courses with the degrees for which the Chair responded that initially, the Minor courses may appear tangential, but as the course proceeds, there will be a convergence of the degree with Minor courses, since one course of four credits requires a project work to be undertaken catering the spirits of Branch discipline and minor discipline.

Next under this agenda point, Prof. Mohancharyulu, Coordinator

for M.A. English program presented the inclusion of M.A. English under R22 norms under the following headings:

1. Reference credits
2. Credit structure of M.A. English
3. Add on courses offered under M.A. English
4. Course structure
5. Program Electives
6. Honourable exit option

Dr. Shanti Swarup advised about including courses like documentation and computational linguistics.

Next under this agenda point, Dr. Praveen Kumar, Director, Law presented on the plan to draw B.A. LLB and BBA LLB under R22 norms by presenting under following headings:

1. Salient features of R22 regulations
2. Comparison between R20 and R22
3. Course distribution of B.A. LLB (Hons) and BBA LLB (Hons)

Dr. Shanti Swarup appreciated the proposal as well formulated and suggested for finding the possibility of synchronising legal studies with computer science to deal with the data bases of cases.

Next under this agenda point, Prof. Koya Prabhakar, HoD, Department of Chemistry presented the inclusion of M.Sc. Chemistry into R22 norms under the following heads:

1. Strength of the department
2. Conversion to R22 structure
3. Comparison with credit structure of other institutions.
4. Category of courses.
5. M.Sc. Chemistry and Organic Chemistry under R22 structure

Dr. Shanti Swarup queried about the study of energy, particularly Nuclear Energy, under M.Sc. Chemistry course. Prof. Prabhakara responded that in courses like Material Chemistry and Physical Chemistry, there shall be study of energy.

Er. D. Ramakrishna enquired about the fire accidents related to chemicals and the needed fire safety. The HoD replied that the concepts would be initially explained in the labs and he shall make efforts to add one more course on the same which cover industrial hazards, chemical hazards, hazards and security. The Chair directed the Dean School of Conventional Engineering to design a course related to industrial hazards and safety that may be offered as an open elective.

After these deliberations, extension of R-22 regulations and model syllabus to M.Tech., B.A. LLB(Hons), B.B.A. LLB (Hons), M.A. English and M.Sc. Chemistry was approved.

	<p>ii. Commencement of M.Sc. Data Science - Two years program with effect from academic year 2023-24</p>
32/03	<p>Ms. B. Jyostna Devi presented on this agenda point under the following heads:</p> <ol style="list-style-type: none"> 1. Requirement of Data Science 2. Importance of Dual Degree program 3. Salient features of the program 4. Multiple entry and exit options 5. Admissions criteria 6. Credit distribution for both M.Sc. and B.Sc. (Hons) in Data Science 7. Credit distribution for B.Tech. in Data Science <p>Er. D. Ramakrishna responded stating that, faculty should spend at least one or two years with industry experts and design the Data Science syllabus.</p> <p>Dr. Santi Swarup stated that relevance of Data Science with other studies should be brought.</p> <p>Ms. B. Jyotsna Devi responded that the course syllabus of Data Science is comprehensive and they shall consult the experts on this area for making the course more effective.</p> <p>The Vice-Chairman sought for the requisites like benchmarks, information and directions from the External members for the commencement of B.Tech. and B.Sc. Data Science on more rational grounds.</p> <p>The Chair responded to this and assured that the course in Data Science is for the less fortunate B.Sc. students. He stated that the expertise available with the Department of Computer Science and Engineering shall be utilized for teaching Data Science. The data in Vignan Group should be made used and Dean, AAA and, Dean T&P should use Data Analytics with the help of Er. D. Ramakrishna. The data could be used by the students of VFSTR for the hands on experience of Data Analytics. He further assured that, the exercise of BoS and Workshop to launch this course formally is still pending and those formalities shall be completed within the stipulated time. He said that the case of M.Sc. Data Science was presented before the Academic Council for its approval in principle.</p> <p>The Council approved this agenda point in principle.</p>
	<p>iii. Commencement of one-year Post-Graduate Diploma in Biotechnology by the Department of Biotechnology w.e.f. academic year 2023-24</p>
32/04	<p>Prof. Krupanidhi of Biotechnology presented on this agenda point under the following heads:</p> <ol style="list-style-type: none"> 1. Contents of the course 2. Faculty expertise

	<ol style="list-style-type: none"> 3. Purpose of proposing one-year diploma in BT 4. Course structure 5. Pool of electives 6. Eligibility for admissions <p>Dr. Shanti Swarup responded that he was impressed with the plan and queried if the department had expert faculty to handle the course.</p> <p>The Chair responded that the Department of Biotechnology is sufficiently equipped to handle the course.</p> <p>After deliberation, the Council approved the commencement of one-year PG Diploma in Biotechnology.</p>
	iv. Examination results of academic year 2021-22 (II Semester)
32/05	The results of examinations announced after previous Academic Council are presented before the Council by Dean, AAA and the Council ratified the results after deliberation.
	v. Outcomes of SRB and URB
32/06	<p>With the direction from Dean, R&D, Dr. Ramesh, Dean, AHS presented the outcomes of SRB in his department under the following heads:</p> <ol style="list-style-type: none"> 1. Suggestions of international experts and other experts 2. Futuristic plans 3. Centres of Excellence 4. MoUs signed <p>Prof. N. Usha Rani, Dean, School of Electrical, Electronics and Communication Engineering presented the outcomes of the SRB under the following heads:</p> <ol style="list-style-type: none"> 1. Members of SRB 2. Research groups and centres 3. Outcomes of SRB <p>Mr. D. Vijay Krishna and Dr. K.V. Krishna Kishore also presented on the outcomes of their respective schools by discussing the outcomes.</p> <p>Er.D. Ramakrishna advised not to cast a wide net and to excel in one area or two like knowledge or research. He also advised to consult authentic sources to select the choice of research area for excellence.</p> <p>After deliberation, the Council approved the outcomes of SRBs.</p>
	vi. M.Tech. by Research and MBA by Research regulations
32/07	<p>Dean R&D presented on this agenda points under the following heads:</p> <ol style="list-style-type: none"> 1. Preamble 2. Categories of admission (Internal and External) 3. Admission process 4. Coursework for candidates 5. Conduct of coursework 6. Coursework assessments 7. Duration of the program 8. Publication of research findings 9. Honourable exit

	<p>10. Re-joining after honourable exit The Chair stated his opinion that M.Tech. with Research shall help the candidates for securing a better position in the industry and entry in Ph.D as well. Er.D. Ramakrishna advised for imparting good capabilities in the learners through this program. The Council after deliberation, approved the M.Tech. by Research and MBA by Research regulations.</p>
IV	Agenda Items for Ratification
	i. Commencement of Ph.D. program in Pharmaceutical Sciences
32/08	HoD, Department of Pharmaceutical Sciences presented that, after obtaining the approval of previous Academic Council to commence Ph.D. in Pharmaceutical Sciences, the VC directed that the proposal be discussed with BoS members of Pharmaceutical Sciences. After obtaining the valuable inputs of the BoS members, the proposal to commence Ph.D. program in Pharma was placed before the Academic Council for ratification. After due deliberation, the Council ratified the proposal.
	ii. Commencement of M.Sc. Chemistry (with specialization in M.Sc. Organic Chemistry) w.e.f. academic year 2022-23
32/09	HoD, Department of Chemistry presented this agenda point for ratification of the Council. He stated that M.Sc. Chemistry with 30 strength is being offered from the Academic year 2020-21. In addition M.Sc. Organic Chemistry with 30 strength has started from the year 2021-22. The Council ratified the proposal.
	iii. Details of students added to the eligibility list for award of degrees during 10th Convocation held in Sep 2022.
32/10	Dean, AAA presented for ratification of the details of students added to the eligibility list for award of degrees during 10 th Convocation held in September 2022. The Council ratified this agenda point.
V	Agenda points for Information
	i. Status of Centre for Distance and Online Education Programs
32/11	Director CDOE presented this agenda point for information.
	ii. Status of Research Activities
32/12	The status of research activities in VFSTR that were recorded after the previous Academic Council was presented by the Dean, R&D.
32/13	iii. Three faculty members from departments of Biotechnology, ECE and CSE to brief the Academic Council on the research conducted by them

The following faculty presented on their research work:

Name of the faculty, designation and department	Title of research work
Dr. Anjana Devi, Associate Professor, Dept. of Biotechnology	Valorisation of Cadamba Fruit Waste

Dr. Ashutosh Kumar Dikshit, Asst. Prof, Dept of ECE	Modelling and Development of Devices for Realtime Applications
Dr. A. Avinash Reddy, Asst. Prof, Dept of CSE	An Efficient Medium Assess Control Mechanism for Next Generation Network

VI. The following action points were pronounced during the 32nd Academic Council meeting.

S.No.	Action Point	Action point addressed to
1	The Chair directed that the LTP structure should be strictly maintained as L-2, T-1 and P-2 for the new courses brought under R22 (for M.Tech)	Dean, AAA and all HoDs
2	The Chair directed that one more specialization course associating Legal studies with computers should be designed.	Dean, AAA and Director, Law
3	Dr. Shanti Swarup suggested that a roadmap for development of every department may be designed.	Deans of all schools and HoDs
4	Dr. K. Babu Rao opined that conducting as Academic Audit for resources may be a better idea before proposing a new program.	HoD, Biotechnology
5	Er.D. Ramakrishna suggested that additional practices may be conducted for students who could not attend the practice sessions in full during pandemic	Dean, AAA and Deans of all schools
6	Er.D. Ramakrishna suggested that excellence in one or two areas should be the vision for research.	Dean, R&D
7	The Chair directed that all schools should be ready with their thrust areas in research by the next Academic Council meeting.	Dean, R&D, Deans of all schools and all HoDs
8	The Chair directed the HoD, CSE to develop more creative projects that were to be assigned for students.	HoD, CSE
9	The Chair directed the Dean School of Conventional Engineering to design a course related to industrial hazards and safety that may be offered as an open elective.	Dean School of Conventional Engineering

Having discussed all the agenda points, the meeting was adjourned.


13.12.2022

REGISTRAR

VIGNAN'S FOUNDATION

FOR SCIENCE, TECHNOLOGY AND RESEARCH

(Deemed to be University)

VADLAMUDI-522 213

GUNTUR (DISTRICT), A.P. INDIA


13/12/22

VICE-CHANCELLOR

VIGNAN'S FOUNDATION

FOR SCIENCE, TECHNOLOGY AND RESEARCH

(Deemed to be University)

VADLAMUDI-522 213

GUNTUR (DISTRICT), A.P. INDIA

Minutes of 33rd Meeting of the Academic Council

Date: 17/06/2023 (Saturday) at 10.00 a.m.

Venue: Chancellor's Board Room, VFSTR

**Vignan's Foundation for Science, Technology and
Research**

Vadlamudi, Guntur

Andhra Pradesh- 522213

MINUTES OF THE 33rd MEETING OF THE ACADEMIC COUNCIL HELD ON 17TH June, 2023. (Physical and Virtual)

The members of Academic Council met on 17th June, 2023 at 10:00 AM in the Chancellor's Board Room, A-Block. Prof. P. Naga Bhushan, Vice-Chancellor of VFSTR chaired the meeting. The following members were present:

1. Prof. P. Nagabhushan, Vice-Chancellor : Chairman
2. Prof. Sreenivasa Kumar
Professor, Dept. of CSE, IIT Madras : External Member
3. Dr. M. Shanti Swarup
Director of Engineering, Math Works, Hyderabad : External Member
4. Dr. P.M.V. Rao
Dean, AAA : Permanent Invitee
5. Dr. D. Vijayaramu
Dean, PCF : Member
6. Dr. M. Ramakrishna, Dean - IQAC
Dean, School of Core Engineering : Member
7. Dr. K.V. Krishna Kishore
Dean, SCI, Dean - Admissions and Recruitment
HoD, Dept. of CSE : Member
8. Dr. G. Srinivasa Rao,
Dean, R&D : Member
9. Dr. Sk. Jakeer Hussain
Dean, Infrastructure, Planning and Monitoring : Member
10. Mr. D. Vijay Krishna, Dean - T&P
Dean School of Law and Management : Member
11. Dr. N. Usha Rani, Dean, SEECE : Member
12. Dr. M.S.S. Rukmini, Dean - Student Affairs
Alumni Linkages, Gender Sensitization and Discipline : Member
13. Dr. A. Ravi Shekhar, Dean, Technology and Development : Member
14. Dr. T. Ramesh Babu, Dean, SAFT and Director AHS : Member
15. Dr. M. Ramesh Naidu, HoD, Dept. of Chem. Engg. : Member
16. Dr. N. Narayan Rao, HoD, Dept. of AE : Member
17. Dr. D. Venkatesulu, HoD, Dept. of ACSE and
Joint Dean SCI : Member
18. Dr. T. Pitchaiah, HoD, Dept. of ECE : Member
19. Dr. T.C. Vekateswarlu, HoD, Bio Technology : Member
20. Dr. Sitaramanjeaya Reddy, HoD, BME : Member
21. Dr. L. S. Raju, HoD, Dept. of Mech. Engg. : Member
22. Dr. B.M. Rao, Representing HoD, MBA : Member
23. Dr. N. Srinivasu, Dean, SASH : Member
24. Dr. Jithendra Ch, HoD, Dept. of Pharmacy : Member
25. Dr. M. Kartikeyan, HoD, Civil Engineering : Member
26. Dr. PVS Shoban, HoD, EEE : Member
27. Dr. Praveen Kumar, Director of LAW : Member
28. Dr. N. Veeranjanyulu, Prof., HoD, Dept. of IT
Director, CDOE : Member
29. Dr. KoyaPrabhakar Rao, HoD, Chemistry : Member

30.	Dr. M. Sreenivasulu, HoD, Physics	: Member
31.	Dr. P.L.N. Varma, Professor, Dept. of S&H	: Member
32.	Dr. Kaki Venkat Rao, Prof of Mech. Engg	: Member
33.	Dr. V. Radha Krishna Murthy, Prof of Mathematics	: Member
34.	Dr. T. Subbbaiah, Prof of Chemical Engg.	: Member
35.	Dr. J. Nitchal Kiran, Prof of Physics	: Member
36.	Dr. P. Ashok Kumar, Prof of Chemical Engg.	: Member
37.	Dr. Shaik Anwar, Assoc. Prof of Chemistry	
38.	Dr. B. Nageswara Rao, Prof of Mech. Engg	: Member
39.	Dr. M. Sarada, Prof of ECE	: Member
40.	Dr. B. Premamayudu, Prof of IT	: Member
41.	Dr. G. Mohanacharyulu, Prof of English	: Member
42.	Dr. D. Vinay Kumar, Assoc Prof of Mech. Engg.	: Member
43.	Dr. A. Goswami, Assoc Prof of Chemistry	: Member
44.	Dr. K. Santi Sree, Assoc. Prof of IT	: Member
45.	Dr. N. Satya Sree, Prof. of Chemistry	: Member
46.	Dr. P. Shiva Prasad, Assoc. Prof. of CSE	: Member
47.	Dr. N. Ananda Rao, Asst. Prof, Dept of ECE	: Member
48.	Dr. G. Nageswarara Rao, Asst. Prof of English	: Member
49.	Dr. P. Joshua Reginald, Asst. Prof of ECE	: Member
50.	Mr. S. Deva Kumar, Asst. Prof. of CSE	: Member
51.	Dr. Ch. Siva Koteswara Rao, Asst. Prof of IT	: Member
52.	Cmde. Dr. MS Raghunathan, Registrar, VFSTR	: Member Secretary

Leave of Absence: The following members have taken the leave of absence

1. Er. D. Ramakrishna, MD, Efftronics, Vijayawada (External Member)
2. Dr. A. Sharada, HoD, Department of English
3. Dr. Sarita Satpathy, HoD, MBA

Minutes of the 33rd Meeting of the Academic Council

Date: 17/06/2023 [Saturday] at 10:00 a.m.

Item	
	<p>Welcoming the members of Academic Council by the Registrar The meeting commenced with remarks of the Chair, Prof. P. Nagabhushan who directed the Registrar to formally initiate the proceedings of the meeting. The Registrar introduced the new External Member of the Academic council Prof. P. Sreenivasa Kumar, Professor of CSE from IIT Madras. Prof. Sreenivasa Kumar in his opening remarks stated that he was happy to be associated with VFSTR and mentioned his areas of research. Dr. Shanti Swaroop congratulated VFSTR for the 75th rank secured in NIRF rankings and stated that the achievement was a testament to the efforts of all faculty members of VFSTR.</p>
I	<p>Confirmation of the Minutes of 32nd Academic Council meeting held on 10-12-22. Minutes of Meeting enclosed.</p>
33/01	<p>The Registrar read out the salient features of the previous Academic Council meeting. After deliberation, the Council approved the minutes of 32nd Academic Council.</p>
II	<p>Action taken on the decisions of previous AC meeting held on 10-12-22. The Registrar read out the action points while the members responded to the same.</p>
33/02	<p>Responding to the first action point, Dean AAA stated that the LTP structure was revised to maintain more transaction hours which would help the students to thoroughly assimilate the contents delivered in the lecture sessions. He also stated that 50% of lecture sessions remained and the rest of them were allocated to Transaction and Practice. Responding to the second action point, Director, Law stated that students of VIL were actively engaged in writing blogs, articles, research papers, mootings and debating. Basic Computer and IT Skills course were already introduced in the first semester of Law program as a core course with which the students were learning computer skills and applying them as tools for legal research and legal writing. Online database services offered by Manupatra, Lexis-Nexis and West Law etc., were subscribed. He also stated that one law student excelled in programming. Responding to the third action point, Dean IQAC stated that the Office of IQAC presented the roadmap of the university to the Sub-committee formed by the BoM. Till date, three schools presented their roadmap under the following heads:</p> <p style="margin-left: 20px;">A. Admissions: Distribution of students Increasing the number of internal students in Ph.D Increasing the number of girl students Scholarships MoUs with national and international organisations Support to economically and socially challenged students</p>

	<p>B. Academics: Adoption of flexible credit system Innovative teaching 100% scholarships with stipend Field visits Implementation of OBE E-content One credit course offered by visiting foreign professor</p> <p>C. Faculty: Research quality Quality of placement / higher studies Collaborations Infrastructure Accreditation</p> <p>Dr.SanthiSwaroop appreciated the road map and advised that all departments should synchronise with roadmap. Resources for achieving the roadmap should be pooled. He also advised on matters of leadership, risks and contingency plans to achieve the road map. Dean IQAC responded that scorecards were given to all departments for self-assessment.</p> <p>Prof. P. Sreenivasa Kumar pointed at the status of patents for which the Dean, R&D responded on patents.</p> <p>Responding to the fourth action point on compensation of practice sessions lost during pandemic, Dean AAA stated that students lost only the final two weeks of practice in laboratories. He stated that the lost C-programming exercises were conducted through Hacker Earth during the semester and MAT lab for ECE students was practiced during signals and systems and DSP lab sessions of the subsequent semesters. All the practices were conducted after reopening the university for physical classes and hence no additional practice sessions were required.</p> <p>Responding to the fifth action point, Dean, R&D stated that a Subcommittee was formed comprising Dr. E.S. Chakravarthy, Member, BoM Dean IQAC and Dean R&D to identify the thrust areas of the university and departments. The thrust areas were given to the departments and SRBs were constituted.</p>
III	Agenda Items for Approval
33/03	<p>i. Implementation of Academic Bank of Credits (ABC) - presented by Dean AAA.</p> <p>The Dean AAA presented this point stating that the UGC initiative to implement Academic Bank of Credits allows the students to transfer credits from one institution to another in case of transfer. On transfer, the students could access the ABC and could claim their credits which they earned in the previous institution. The Dean further stated that, the main activity of registering the university with ABC and opening students' accounts was almost completed. The Dean also informed that Dr. Vijay Raghavan of ECE department was appointed as the Nodal Officer for ABC in VFSTR. The Dean also informed that VFSTR was one of the first five institutions in Andhra Pradesh to register in ABC.</p> <p>After deliberation, implementation of Academic Bank of Credits was</p>

	approved.
	ii. Examination results of academic year 2022-23, I semester - presented by Dean AAA.
33/04	<p>Dean AAA informed the council that results for 32 exams were released and 32 supplementary exams were conducted. For II B.Tech., which is in accordance with R 22 regulation, the results (82.28% pass) were on par with the earlier results (88.47% and 77.52% respectively). The same pattern was also repeated in B.Tech., III-year results. The Dean also presented the other 23 regular examination results.</p> <p>Deliberating on the results, Dr.SanthiSwaroop queried on the poor results of B Pharmacy for which the Dean responded that B Pharmacy has good number of Sudanese students who are deplorably weak in English language but assured that they can clear the backlogs in supplementary exams. The Dean pointed at the 100% results in B.Sc. for the batch comprised good students.</p> <p>After deliberation, examination results of academic year 2022-23, I semester were approved.</p>
	iii. Institution of Para-medical programs w.e.f. 2023-24 -presented by Dean PCF
33/05	<p>Dean PCF stated that in the backdrop of already existing Pharmaceutical, Biomedical and Bio-technology departments, the proposal to commence para-medical programs w.e.f. 2023-24 would be very logical. The support of experts like Dr.MahadevKanchegowda, former Secretary, Kempagowda Institute of Medical Sciences, Bengaluru, DR. C.Narayana Reddy from Warangal and Dr. Y. Sarat, BoM Member, VFSTR, the proposal to float two post B.Sc. one year diploma programmes (Medical Imaging Technology and Dialysis Technology) (three years B.SC. followed by one year diploma) in line with NEP 2020 was presented before the Council. The Dean stated that VFSTR was entering into MoU with hospitals like DVC Hospital, Guntur dist. and Ramesh Hospitals, Guntur. The Dean informed that the initiation of these courses would be a prelude to venture into medical education by Vignan Group. Dr.Sreekar of Pharmacy department would be the coordinator for these programs.</p> <p>Related to this point, Dr.SanthiSwaroop queried on the collaborations and coursework. The Chair commented that these programs should lead Vignan Group into the field of medical education.</p> <p>The Council approved this agenda point in principle.</p>
	iv. 5G and 6G as integral part of curriculum - presented by Dean T&D
33/06	<p>Dean T&D proposed to introduce 5G technology as an open elective for all branches and the same as a minor course for CSE, IT and ECE. The Dean presented the stream of open electives and minor courses and stated that CSE, IT and ECE would be given advanced stream of electives. The details of these electives would be presented in the next Academic Council meeting.</p>

	<p>Prof.Sreenivasa Kumar said that the list of electives and minor courses was very lengthy and advised the Dean to merge them and give importance to fundamental courses. Dr.ShanthiSwaroop opined that thrust on 5G was important and it should be vision compliant. He also stated that the minor courses should be interdisciplinary. The Council approved this agenda point.</p>
	<p>v.B.Tech. - Electronics Engineering (VLSI Design and Technology) - presented by HoD ECE.</p>
33/07	<p>HoD ECE stated that the Government of India itself was encouraging the creation of dedicated manpower in the development of chip design which creates a lot of job opportunities to many graduates. He said that VFSTR has the resources to launch the program in VLSI specialization and hence, the Department of ECE had taken the initiative to start new program - B.Tech. in Electronics Engineering (VLSI Design and Technology). He presented the notification of AICTE in this respect. The HoD presented this point under the following heads:</p> <ol style="list-style-type: none"> A. Why VLSI now? B. Program highlights C. Human resources D. Available infrastructure E. Industry interface F. List of departmental electives G. Credits structure H. BoS members <p>The Registrar opined that the program should be exactly as per AICTE nomenclature and norms.</p> <p>Dr.ShanthiSwaroop appreciated the program as it had good outlines and explained its significance for industry and government. He also advised to include low power design and Machine learning in VLSI design which generates good employment. The HoD replied that the concept of low power design was already in the syllabus and shall include Machine learning in the syllabus after discussion.</p> <p>Prof.Sreenivasa Kumar opined that now-a-days, security was an important concern right from the design level and he advised to include more practice element. HoD, ECE responded that security at the design stage was taken care at the department level.</p> <p>The Council approved the commencement of B.Tech. Electronics Engineering (VLSI Design and Technology) from the next academic year 2023-24.</p>
	<p>vi. Outcome of SRB - presented by Dean R&D</p>
33/08	<p>Dean R&D stated that seven SRBs were constituted and meetings were conducted recently. The SRBs advised to secure external funding, internal collaboration and involving students in research.</p>
	<p>vii. (a) Commencement of Ph.D program in the subjects of Agronomy, Genetics and Plant breeding, Soil Science and Agricultural Chemistry and Plant Pathology from the academic year 2023-24. (b) Ph.D regulations of Agriculture and allied subjects as per BSMA ad ICAR</p>

	-presented by Dr. T. Ramesh Babu, Director AHS.
33/09	<p>The Director, AHS presented that the members of Board of Studies approved for the commencement of Ph.D. program from the academic year 2023-24 in the above-said disciplines. He stated that the nomenclature of the course was as per AICTE norms. He said there was a need for PG and Ph.D staff in the department. He presented the FAO vision and sustainable development goal and stated that discipline wise, the number of seats was as per the number in SAUs and ICAR institutes. The Director presented on Ph.D regulations of agriculture and allied subjects; credit requirement; scholarships and fee structure, and MoUs. Prof.Srinivasa Kumar advised to pave the way for M.Sc. considering the market and industry conditions.</p> <p>Dr. Shanti Swaroop enquired about M.Sc. in the department for which the Director responded that the M.Sc. program will commence after two years i.e. in 2025 with the B.Sc. passed out students. He opined that with M.Sc., Ph.D would be successful.</p> <p>The Director stated that the department was supported by two SAUs and was recruiting additional professors. When Dr. Shanti Swaroop enquired about the land and infrastructure, the Director responded that there was 40 acres of land sufficient to take 11-12 Ph.D candidates. He also stated that MoUs with good institutes shall help the department.</p> <p>The Chair opined that M.Sc. course will help the Ph.D. program. The Director stated that scholars would teach and research.</p> <p>After deliberation, the proposal to commence Ph.D program (Agriculture) and Ph.D regulations as per ICAR in the Department of Agriculture was approved by the Council.</p>
	<p>viii. (a) Introduction of two years LLM degree program in Law at VIL. (b) Introduction of Ph.D program in Law at VIL - presented by Dr. Praveen Kumar, Director, VIL</p>
33/10	<p>The HoD, Law presented the point under the following heads:</p> <ul style="list-style-type: none"> A. Vision B. UG programs at VIL C. Admissions into B.A. LLB (Hons) and BBA LLB (Hons) D. Faculty at VIL E. Aims and objectives of Centre for PG Studies and Research F. Programs: <ul style="list-style-type: none"> Constitutional Law Corporate Law Intellectual Property Rights law Labour ad Employment Laws G. Credit system H. Ph.D program I. Fee structure <p>Prof.Sreenivasa Kumar asked if students can choose any one of the various areas and the HoD answered in affirmative.</p> <p>Dr. Shanti Swaroop said that he was sharing two links through chatas a support to the program.</p>

	<p>The Chair enquired if the commencement of these courses was as per the stipulations of Bar Council and opined that Computational Law was very popular. The Chair also stated that Law studies should be multi-disciplinary. Prof. Sreenivasa Kumar opined that Computational Law was very good and directed the HoD to collaborate with CSE department. The Director, VIL stated that Ph.D programs require more teachers. The proposal to commence two years LLM degree program and Ph.D program in Law was approved in principle by the Council.</p>
	<p>ix. (a) Commencement of M.Tech. IoT for the academic year 2023-24 - presented by HoD ECE. (b) Commencement of B.Tech. (IoT) for the next academic year 2023-24 - presented by HoD, ACSE</p>
33/11	<p>The HoD ECE presented the proposal to commence M.Tech. (IoT) under the following heads:</p> <ol style="list-style-type: none"> A. Introduction B. Program highlights C. HR D. Available infrastructure E. Course structure <ul style="list-style-type: none"> First six months - Internship Next one year - Semester two and three course work Next six months - Project internship in industry F. BoS members <p>The HoD assured that students would not be forced to take NPTEL courses.</p> <p>Prof. Sreenivasa Kumar advised to change the nomenclature (title) of the program because it could be confused with other M.Tech. programs. He also advised to highlight the industry collaboration in the program. He also advised the HoD to secure MoUs with other industries also for long term sustainability.</p> <p>The Chair asked if M/S Efftronics could accommodate the remaining batches of students and advised MoUs with other industries also besides M/S Efftronics.</p> <p>Dr. Shanti Swaroop appreciated the collaboration of ECE department with Efftronics.</p> <p>HoD, CSE presented on the second part of the agenda viz, commencement of B.Tech. (IoT) from the next academic year 2023-24 under the following heads:</p> <ol style="list-style-type: none"> A. Approval of 60 seats by AICTE B. BoS approval C. BoS members D. IoT technology E. Credit distribution F. Program core (CSE + Specialization - 61 credits) G. Program electives (61 credits) H. First semester courses I. Honours stream J. Course structure

	<p>The question of Theory of Computation was discussed. Dr. Shanti Swaroop enquired on the possibility of Masters Program in IoT for which the HoD, ACSE replied in affirmative.</p> <p>The Chair opined that the course should be taught in collaboration with ECE department.</p> <p>The Council approved in principle the commencement of M.Tech. (IoT) and B.Tech. (IoT) from the next academic year 2023-24.</p>
iv	Agenda Items for Information
	i. Status of Centre for Distance and Online Education (CDOE) programs - presented by the Director of CDOE
33/12	<p>Director of CDOE presented this point under the following headings:</p> <ul style="list-style-type: none"> A. Programs offered B. Intake and current strength <ul style="list-style-type: none"> July 2022 - 1902 students June 2023 - 344 students C. Sanctioned intake for 2023 -24 <ul style="list-style-type: none"> MBA-General (3000), MCA (3000) and the rest 3000 D. Fee structure (2023 - 24) E. Hierarchical structure of CDOE F. Calendar of events 2022 -23 G. Continuous assessment and End semester exams <p>Prof.Sreenivasa Kumar enquired about evaluation; the Director CDOE responded that valuation was assigned to faculty. Dr. Shanti Swaroop enquired about NPTEL courses and the Director responded that the programs were run in conventional mode and no NPTEL teaching was involved.</p>
	ii. Status of Research Activities - presented by Dean R&D
33/13	<p>Dean R&D presented the above agenda point under the following heads:</p> <ul style="list-style-type: none"> A. Research component B. University thrust areas C. Research publication D. Citations E. H-Index F. Funded research projects G. Consultancy projects - 2023 <ul style="list-style-type: none"> Under this head, Prof.Subbaiah, Dept. of Chemical Engineering presented on the consultancy project which was secured by VFSTR in the recent times. H. Patents granted / published I. Doctoral degrees awarded J. Strategic plan for the next five years
	iii.Considering the use of native language feasibility in T&P sessions as per UGC's direction despite the medium of instruction in English - presented by Dean AAA
33/14	<p>Dean AAA maintained that English shall be the medium of instruction but proposed that local language can be used to some extent in Transaction and Practice sessions for the benefit of students.</p>

	Prof.Sreenivasa Kumar opined that the directive by UGC can be moderated by allowing the students to discuss among themselves during the T and P sessions.
	iv. Two-year Diploma in Agriculture - by Director AHS
33/15	The Director, AHS presented this point stating that Diploma in Agriculture was to be handled by the Directorate of Polytechnic and presented on the courses offered in the Diploma in Agriculture. He also presented on the syllabus of the Diploma course.

There are no agenda points for ratification.

In the closing remarks, the Chair appreciated the HoDs, Deans, Internal Members for their support in the growth of VFSTR. He exhorted that the Department of Mathematics should be more proactive. He also made a brief mention about the migration of other faculty to the department of CSE.

Having discussed all the points, the meeting was adjourned.

VI. The following action points were pronounced during the 33rd Academic Council meeting.

Action Point	Action point addressed to
1. The road map for venturing into medical education in future with commencement of para medical courses as prelude should be presented in the next Academic Council meeting.	Dean, PCF.
2. The list of electives and Minor courses (related to introduction of 5G technology) was too long and the electives should be merged.	Dean, T&D
3. Migration of conventional ECE students to VLSI should be facilitated.	HoD, ECE
4. The HoD, ECE should present on MoUs with industries and the number of batches benefitting from the current MoU with Efftronics; Action plan for drop-outs to be devised	HoD, ECE


19.6.23
Registrar

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FOR SCIENCE, TECHNOLOGY AND RESEARCH

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GUNTUR (DISTRICT), A.P. INDIA


19/6/23

Vice-Chancellor

VIGNAN'S FOUNDATION

FOR SCIENCE, TECHNOLOGY AND RESEARCH

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GUNTUR (DISTRICT), A.P. INDIA