



# HINDUSTAN

INSTITUTE OF TECHNOLOGY & SCIENCE  
(DEEMED TO BE UNIVERSITY)

## MINUTES OF THE 29<sup>th</sup> MEETING OF THE ACADEMIC COUNCIL

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**Held on : 3<sup>rd</sup> July 2020 (Friday)**

**Time : 11 a.m.**

**Mode : ONLINE VIDEO CONFERENCE**

**Members attended the Meeting:**

<b>S.No</b>	<b>Name of Member</b>	<b>Designation</b>
1.	Dr. (Mrs.) Elizabeth Verghese	Chancellor
2.	Dr. Anand Jacob Verghese	Pro Chancellor
3.	Dr. K.P. Isaac	Vice-Chancellor
4.	Dr. G. Sambandan	Advisor, KCG College of Technology, Karapakkam, Chennai.- External Member
5.	Dr. DharanipragadaJanakiram	Professor, Department of Computer Science and Engineering, Indian Institute of Technology- Madras – External Member.
6.	Dr. Xavier Alphonse	Educationist & Former Member – UGC – External Member.
7.	Mr. M.G. Poduval	Managing Director MGP Associates Pvt. Ltd, Chennai - External Member.
8.	Mr. Rajesh Renganathan	Head, International Operations, Power Solutions Business, Ashok Leyland, Chennai – External Member
9.	Mr. Ashok Verghese	Director (HGI)
10.	Dr. Aby Sam	Director (HGI)
11.	Dr. Annie Jacob	Director, KCG College of Technology
12.	Dr. G. Ilavazhagan	Director – International Affairs
13.	Dr. K. Nandakumar	Director - Research
14.	Dr. C. Kezi Selva Vijila	Controller of Examinations

15.	Dr. N. Vasudevan	Dean (Engg. & Tech.)
16.	Dr. Baby Joseph	Dean (Research)
17.	Dr. V.L. Mony	Dean (School of Law)
18.	WgCdr KR Srikanth (Retd)	Chief Admin. Officer
19.	Dr. R. Angeline Prabhavathy	Dean (PG Studies)
20.	Dr. A. Ramesh Babu	HOD (First Year)
21.	Dr. SheebaChander	HOD, (Planning and Monitoring) Dept. of Architecture
22.	Dr. Angelina Geetha	HOD, School of Computing Sciences
23.	Dr. R. Asokan	Professor & HOD, Aeronautical Engineering
24.	Dr. Ravikumar Solomon	HOD, Dept. of Mechanical Engineering
25.	Dr. M. Jaikumar	Associate Prof. & HOD i/c., Dept. of Automobile Engineering
26.	Dr. A.K. Parvathy	HOD, Dept. of EEE / EIE
27.	Dr. A.L. Vallikannu	HOD i/c., Dept. of Electronics & Communication Engg.,
28.	Dr. B. Vivekanandan	HOD, Dept. of Chemical and BioTech
29.	Dr. A. Sherine	HOD, Dept. Languages & Foreign Languages
30.	Dr. V. Ceronmani Sharmila	Associate Professor & HOD i/c., Department of Information Technology
31.	Dr. M. Selvamuthukumar	Associate Professor & HOD i/c., Department of Food Technology
32.	Dr. M.K. Badri Narayanan	Professor and HoDi/c., School of Management
33.	Dr. K.M. Mehata	Sr. Prof., CSE
34.	Dr. M. Veerachamy	Chief Librarian
35.	Mr. Milton Gerard Huggins	Deputy Director (Corporate Affairs and Training)
36.	Mr. Salim Mahmood	Deputy Director (Admissions)
37.	Mr. C. Robin	Legal Consultant
38.	Dr. R. Devanathan	Professor (Emeritus)
39.	Dr. D. Dinakaran	Head, Centre for Automation and Robotics
40.	Prof. Mr. J. Sudhakar	HOD, School of Design
41.	Ms. Jini Varghese	HOD, FDA

42. Mr. K. Anthony Vinoth Kumar In Charge, SLAAS
43. Dr. Pon.Ramalingam Registrar, Non-Member & Secretary.

Leave of absence has been granted to Dr. Karthik Krishnamurthy, Director, Operations of the Aero structures Business for Mahindra Aerospace, Bangalore for his inability to participate in the meeting.

## 1. **OPENING REMARKS BY THE CHANCELLOR**

The Chancellor welcomed the members and said that convening the 29<sup>th</sup> Meeting of the Academic Council by online was necessitated due to the Covid 19 pandemic. She expressed her concern and congratulated all those who contributed working in the frontline, especially the Robotics and Drone teams which supported the Government in a timely manner in spite of the prevalent hurdles. The Chancellor congratulated on achieving the NIRF ranking for Engineering & Architecture. The meeting is being held to seek approval for a few amendments in the Academic Regulations, proposals for Assessments and Grading for 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> semester students and also pass the resolutions brought forward by the Boards of Studies. She informed that online classes for all students, online Project Viva Voce Examination and Online End Semester Examination for the final year students were conducted successfully. The final year students were also given an option to appear offline examination after reopening of the campus. The results will be published soon. The Online classes for next semester for the second and third year students will begin from middle of July.

## 2. **ADDRESS BY THE VICE CHANCELLOR**

The Vice Chancellor welcomed all members and introduced the following new members to the Academic Council: -

- (a) Dr. C. Kezi Selva Vijila, Controller of Examinations
- (b) WgCdr K.R. Srikanth (Retd), Chief Admin. Officer
- (c) Dr. R. Angeline Prabhavathy, Dean (PG Studies) and HoD, Civil
- (d) Dr. Angelina Geetha, DOD, Dept. of CSE

- (e) Dr. A.K. Parvathy, HOD, Dept. of EEE/EIE
- (f) Dr. A.L. Vallikannu, HOD, i/c, Dept. of ECE
- (g) Dr. B. Vivekanandan, HOD, Chemical & Bio-Tech.
- (h) Prof. J. Sudhakar, HOD, School of Design
- (i) Ms. Jini Varghese, HOD, Dept. of Fashion Design.

The Vice Chancellor presented the following: -

- (a) HITS has secured the 107<sup>th</sup> rank in Engineering and 20<sup>th</sup> rank in Architecture in the recently announced National Institutional Ranking Framework (NIRF) Rankings – 2020.
- (b) He has presented the Statistics of admissions during 2019-20 in Engineering & Technology, Management, Liberal Arts, Design, Law and Architecture Programs.
- (c) He informed about the approval obtained from AICTE for offering Open Distance Learning in Business Administration and Computer Applications. The delivery of lectures is proposed to be done through Online. The focus will be on industrial training, improving knowledge and skills, enhancing attitude of students etc. He also presented the approval received from AICTE on extension of approval for existing programmes, new programmes, changes in intake and dropped out programmes for 2020-21.
- (d) The HITS (LMS) MOODLE and MS TEAMS Platforms were used during the lockdown period for the conduct of online classes. Now, the institution is in the process of integrating the MOODLE and MS TEAM. It is proposed to continue to use the MOODLE as our LMS and MS TEAMS as the delivery platform for the odd semester classes which will be mostly in online mode.
- (e) University has successfully conducted internal assessment, Project Viva Examination and End Semester examination for the final year students through online mode during the lockdown period. External examiners from the eminent institutions were employed during the conduct of Project Viva Examination to improve the quality of the projects. Apart from that, university has carried out the online activities through MS TEAMS, i.e. Meetings,

Industrial Webinars, Workshops, Conferences, FDPs, etc. during the lockdown period.

(f) The following online events conducted during the lockdown period: -

(i)	Online Industrial webinars/Guest Lectures	-	222
(ii)	Online Workshops	-	20
(iii)	Online FDPs	-	5
(iv)	Online Courses	-	4
(v)	Online Conference	-	1
(vi)	Online International Experts Talk (Industry)	-	32
(vii)	Online International Experts Talk (Academic)	-	11
(viii)	Online National Experts Talk (Industry)	-	93
(ix)	Online National Experts Talk (Academic)	-	33
(x)	Online Contest	-	1
	<b>Total</b>	-	<b>422</b>

(j) 218 research papers were published during 2019-20. It is necessary to take steps for increasing the number of publications by the staff members.

(k) The Vice Chancellor appreciated the Department of Mechatronics and Aeronautical Sciences for the development of “Sevili” and project “Drishyam 4.0”. The Robot “Sevili” is utilised in the isolation wards of major hospitals in Tamil Nadu. The drone “Drishyam 4.0” supported the Police Department for crowd monitoring and control during the COVID-19 lockdown period. Dr. D. Dinakaran, Dr. M.M. Ramya & Team and Aero Department staff and students were congratulated for their excellent contributions.

(l) The Department of Mechatronics has also developed an affordable protection tool for medical frontline from harmful viral and bacterial infections when they work inside the critical care units for long hours. This system is uniquely designed for public health professionals to be used along with PPE, to fight against COVID-19 pandemic.

3. **CONFIRMATION OF THE MINUTES OF THE 28<sup>TH</sup> MEETING OF THE ACADEMIC COUNCIL HELD ON 7<sup>TH</sup> DECEMBER 2019.**

Minutes of 28<sup>th</sup> Meeting of the Academic Council Meeting held on 7<sup>th</sup> December 2019 was confirmed.

4. **ACTION TAKEN REPORT ON THE 28<sup>TH</sup> MEETING OF THE ACADEMIC COUNCIL HELD ON 7<sup>TH</sup> DECEMBER 2019**

The Action Taken Report on the Minutes of 28<sup>th</sup> Meeting of the Academic Council held on 7<sup>th</sup> December 2019 was confirmed.

5. **Recognition of Diploma programmes of NTTF for admission into B.Tech. (LES) – by Dean (Engg. & Tech.)**

Item	Decision Taken
<p>Students who completed their Diploma programs under 10+3 stream from Nettur Technical Training Foundation (NTTF), Bangalore approach this University for admission into B.Tech. Program under Lateral entry scheme.</p> <p>Several State Governments and private universities like Govt. of Kerala, Govt. of Odisha, M.G. University, Kerala, Alliance University, Bangalore etc have already given approval to these courses as equivalent to regular diploma programs of respective Governments.</p> <p>This matter is placed before the Academic Council to recognize the diploma programmes offered by NTTF, Bangalore under full time 10+3 pattern for admission to B.Tech. Program of this deemed to be University from the academic year 2020-21.</p>	<p><b>Approved</b></p> <p><b>Credit mapping is to be done with the first-year courses and the missing courses have to be studied as additional courses by the students.</b></p>

6. **Items for presentation:**

<b>Sl. No.</b>	<b>Items</b>	<b>Decision Taken</b>
i)	1) Extension of approval for 2020-21 for UG / PG programs by AICTE-By <b>Dean (Engg. &amp; Tech.)</b> .	<b>Noted by members. It was suggested to ensure that all the courses listed are as per approved nomenclature by UGC.</b>
	2) Approval for ODL programs from the academic year 2020-21 by AICTE-By <b>Dean (Engg. &amp; Tech.)</b> .	<b>Noted by members</b>
	3) List of New programs introduced and dropped, reduction in intake from the academic year 2020-21-By <b>Dean (Engg. &amp; Tech.)</b> .	<b>Noted by members</b>
	4) IET Experts Committee Virtual visit-By <b>Dean (Engg. &amp; Tech.)</b> .	<b>Noted by members</b>
	5) NIRF Ranking – 2020-By <b>Dean (Engg. &amp; Tech.)</b> .	<b>The members suggested more emphasize on the Quality in teaching-learning process, interactive classes, project based learning to achieve a better ranking in NIRF. A proper mechanism to measure the quality of the teaching-learning process should be in place.</b>
	6) NBA Experts Committee visit-By <b>Dean (Engg. &amp; Tech.)</b> .	<b>Noted by members</b>
	7) Report on Online conduct of classes for Engineering & Technology programs -By <b>Dean (Engg. &amp; Tech.)</b> .	<b>Noted by members</b>
	8) Coursera and Edx Courses as Elective from 2020-21-By <b>Dean (Engg. &amp; Tech.)</b> .	<b>Noted by members</b>
(ii)	Report on Online conduct of classes for Management Programs – <b>By HOD – SOM</b> .	<b>Noted by members</b>

(iii)	Presentation on progress of School of Law – <b>By Dean (School of Law).</b>	<b>Noted by members</b>
(iv)	(1) Report on conduct of online Viva voce and theory Examinations for final year students of Engineering & Technology; and (2) Proposed online viva and theory examinations for final year P.G. (Engg. & Tech), M.C.A., M.B.A., Liberal Arts and Applied Sciences Programs – <b>By COE.</b>	<b>Noted by members</b>

7. **Assessments and Grading for the students for 2nd, 4th and 6th semester students – By COE:**

<b>Item</b>	<b>Decision Taken</b>
<p>For grading the students other than final year the following proposal is placed for approval since conduct of online or offline examinations is not practical.</p> <p><b><u>Option 1:</u></b></p> <p>For All theory courses, grades will be awarded based on 80% from the internal assessment marks (CIA) obtained in the respective course during the semester and 20% from the grades obtained in the previous semester.</p> <p><b><u>Option 2:</u></b></p> <p>Grades will be awarded based on Internal Assessment marks which includes attendance, internal tests, assignments, quiz programs, MCQs and Viva voce.</p> <p><b><u>Practical courses:</u></b></p> <p>A Viva voce Examination will be conducted and grades will be finalised based on the internal marks and Viva marks taken together for each practical course.</p>	<p><b>Option 1 is approved for 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> Semester students in all programs.</b></p> <p><b>- Approved</b></p>



8. **Introduction of Honour and Minor Specializations in B.Tech. Program–  
By Dean (Engg. & Tech.):**

Item				Decision Taken												
<p>Given below is the details of the Honour, Minor Elective subjects proposed to be introduced for Engineering and Technology students from the odd semester 2020-21:</p> <table border="1"> <thead> <tr> <th>S No</th> <th>Name of the Elective</th> <th>Semester</th> <th>No. of Electives offered</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Honours Speciality</td> <td>5</td> <td>16</td> </tr> <tr> <td>2</td> <td>Minor Speciality</td> <td>5</td> <td>13</td> </tr> </tbody> </table>				S No	Name of the Elective	Semester	No. of Electives offered	1	Honours Speciality	5	16	2	Minor Speciality	5	13	<p><b>Approved</b></p> <p><b>Director (AV) suggested to change the term “CAD” as “Design”.</b></p>
S No	Name of the Elective	Semester	No. of Electives offered													
1	Honours Speciality	5	16													
2	Minor Speciality	5	13													

9. **Item relating to Ph.D. Program – By Director (Research):**

Sl. No.	Items	Decision Taken
(i)	<p>In view of the current situation of extended lockdown and travel restrictions due to COVID-19, the ad-hoc amendments [based on the UGC letter D.O.No.F.1-1/2020 (Secy) dated 29<sup>th</sup> April 2020] <b>as given in APPENDIX</b> are proposed to be included in the Ph.D. Regulations <b>as a temporary measure</b> to meet the requirements. These amendments are valid for the period from June 2020 to December 2020 or till such time as the lockdown is lifted, whichever is earlier.</p>	<ul style="list-style-type: none"> <li>- <b>Approved</b></li> <li>- <b>The Vice Chancellor is authorized to notify the revised regulation. It is recommended that even after lockdown, foreign examiners can be included in the Viva through online mode.</b></li> </ul>
(ii)	<p><b>RATIFICATION OF PROCEEDINGS CONDUCTED THROUGH ONLINE MODE</b></p> <p>Based on Section 12 of UGC Guidelines (April, 2020) on Examinations and Academic Calendar for the Universities in view of COVID-19 Pandemic and subsequent lockdown, the Ph.D. Public Viva-Voce Examination of Mrs. V. Kalaiselvi (Reg. No. : CS1206 – PTE), under the Guidance and Supervision of Dr. D. John</p>	<p><b>Ratified</b></p>

Aravindhar (Dept. of Computer Science and Engineering), Ph.D. Thesis Entitled “Weld flaw detection using EM segmentation and tetrolet transform” was conducted online on 14.05.2020.
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10. (a) **Resolutions brought forward by Boards of Studies:**

Sl. No.	Items	Decision Taken
	<b>Chairperson, Board of Studies for <u>Building Sciences</u>.</b>	
(i)	Curriculum and syllabi for M.Tech. Civil – New Specializations: (i) Structural Engineering & Construction Management and (ii) Sustainable Environmental Engineering, effective from the academic year 2020-21 – <b>By HoD, Civil.</b>	<b>Approved with suggestion that the nomenclature of subjects in Sustainable Environmental Engineering be suitably changed after comparing with other leading universities.</b>
(ii)	<b>Chairperson, Board of Studies in <u>Mechanical Sciences</u>.</b>	
	(a) Revised Curriculum and syllabi for M.Tech. Mech– Specializations: (i) Design of Mechanical Systems and (ii) Robotics and Mechatronics, effective from the academic year 2020-21 – <b>By HoD, Mech.</b>	<b>Approved. Curriculum shall contain provision for online specialized courses.</b>
	(b) Curriculum and syllabi for a new program B.B.A. Engineering Management (Mech), effective from the academic year 2020-21.- <b>By HOD, Mech</b>	<b>Approved.</b>
	(c) Revised curriculum and syllabi for M.Tech. Auto – Specialization: Automotive Technology, effective from the academic year 2020-21 – <b>By HoD, Auto.</b>	<b>Approved.</b>
	(d) Curriculum and syllabi for new programs of (i) B.Sc. (Automobile Maintenance); (ii) B.B.A. (Automobile Management); effective from the academic year 2020-21 – <b>By HoD, Auto.</b>	<b>Approved.</b>

<b>(iii)</b>	<b>Chairperson, Board of Studies in <u>Electrical Sciences.</u></b>	
	(a) Curriculum and syllabi for M.Tech. EEE - new Specializations: (i) IoT and Embedded Systems and (ii) Smart Grid & Electric Vehicle – <b>By HOD, EEE</b>	<b>Approved with suggestion that specific program outcomes are to be indicated clearly for all these courses.</b>
	(b) Curriculum and syllabi for a P.G. Diploma in Distributed Process Control and Automation, effective from the academic year 2020-21 – <b>By HoD, EEE.</b>	<b>Some of the courses are overlapping in few programs which needs to be corrected</b>
	(c) Curriculum and syllabi for M.Tech. ECE – new Specializations: (i) Digital Image Processing and (ii) Embedded and Real Time Systems, effective from the academic year 2020-21 – <b>By HoD, ECE.</b>	<b>Approved</b>
<b>(iv)</b>	<b>Chairperson, Board of Studies in <u>Computing Sciences.</u></b>	
	(a) Curriculum and syllabi for M.Tech. CSE – new Specialization: Artificial Intelligence; effective from the academic year 2020-21– <b>By HoD, CSE.</b>	<b>Approved.</b>
	(b) Curriculum and syllabi for M.Tech. I.T. – new Specialization: Big Data Analytics; effective from the academic year 2020-21– <b>By HoD, CSE.</b>	<b>Approved.</b>
	(c) Curriculum and syllabi for Professional Diploma in Cyber Security Management (In collaboration with HTC-ITMR); effective from the academic year 2020-21 – <b>By HoD, CSE.</b>	<b>Approved.</b>
	(d) Curriculum and syllabi for B.C.A. Specialization Cyber Security, effective from the academic year 2020-21 – <b>By HoD, CSE.</b>	<b>Approved.</b>
<b>(v)</b>	<b>Chairperson, Board of Studies in <u>Management Studies.</u></b>	
	(a) Curriculum and syllabi for M.B.A. with specialization in Green Business to be offered in collaboration with IFAS-Trier University, Germany, i.e., First two semesters in HITS and 3 <sup>rd</sup> and 4 <sup>th</sup> semesters in IFAS-Trier University, Germany;	<b>Approved</b>

	(b) Curriculum and syllabi for B.B.A. Banking and Finance;	<b>Approved with the suggested change to include more digital technology related subjects to ensure that students are in tune with latest technology used by the Banking and Finance Sector</b>
	(c) Introduction of new Bachelor of Management Studies (BMS) (Aviation Services & Air Cargo) Program – in association with Logistics Sector Skill Council, effective from the academic year 2020-21 – <b>By HoD, MBA.</b>	<b>Approved.</b>
<b>(vi)</b>	<b>Chairperson, Board of Studies in <u>School of Design.</u></b>	
	Curriculum and syllabi for new programs (a) B.Des. Communication Design; and (b) M.Sc. User Experience Design, effective from the academic year 2020-21 – <b>By HoD, Design.</b>	<b>Approved.</b>
<b>(vii)</b>	<b>Chairperson, Board of Studies in <u>School of Liberal Arts</u></b>	
	Curriculum and syllabi for new programs (a) B.A. (Triple Majors) – Political Science, Psychology and Economics (b) B.A. (Triple Majors) – Law, Economics and Political Science; (c) Revamping the curriculum and syllabi with 3 credits for (i) B.A. Economics, (ii) B.A. Political Science, (iii) B.A. Psychology, (iv) B.A. Sociology. effective from the academic year 2020-21 – <b>By In Charge, SLAAS.</b>	<b>Deferred to the next ACM</b>

**10.(b)** It is recommended that the curriculum for all new programs shall contain provisions for choosing specialized courses through online mode like Coursera, Edx etc. offered by leading world universities.

11. Any other items with the permission of the Chair.

- (a) The Chancellor suggested the following: -
  - (i) Business or Communication English should be part of the curriculum for all UG programs. The course title “Modern Indian Language” in the UG programs curriculum is not very clear which needs to be changed appropriately. The UG (LA) programs shall consist of at least one course on Communicative English or Business English.
  - (ii) HITS presented curriculum and syllabi for many UG general programs in this Academic Council. She expressed her doubt whether it is the right time to launch many new programs during this pandemic situation. It is necessary to check the course code, quality of course content, before start offering the programs.
- (c) Dr. Dharanipragada Janakiram suggested to explore the possibility of introducing 2 year on campus and 2 year off campus B.Tech. programs. Also suggested that the online courses to be offered only if the support infrastructure is good.
- (d) Dr. Ilavazhagan, Director (International Affairs) informed that we should employ the faculty of our partner universities to handle one or two courses in a program which will add lot value to the department / university.
  - (i) Dr. G. Ilavazhagan and the team were facilitated for their active contribution in the battle against COVID 19.

**The Registrar thanked all members for their valuable suggestions and support.**



**REGISTRAR.**

**Copy to: ALL MEMBERS**