

**HINDUSTHAN COLLEGE OF ARTS AND SCIENCE (Autonomous)**  
**Coimbatore-641 028**  
**CONTROLLER OF EXAMINATIONS**

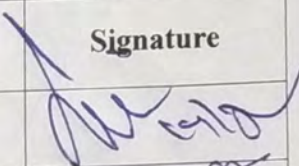
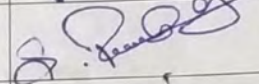
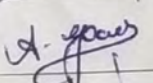


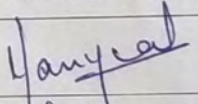
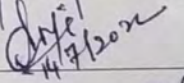
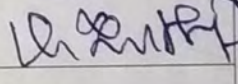
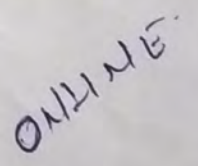
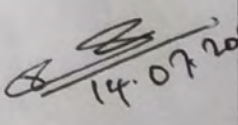
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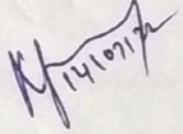
**BOARD OF STUDIES MEETING**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
 (for the Academic year 2022-2023)  
**Attendance Report**

Date: 14.07.2022

Time: 10:30 AM

Courses: B.Sc. IT & M.Sc. IT

	Name	Designation	Signature
Chairman	Dr. V. SARAVANAN	Professor & Head	
Members (Internal)	1. Mr. S. PRABHU	Asst. Professor	
	2. Mrs. A. GOWRI	Asst. Professor	
	3. Mr. M. KARTHI	Asst. Professor	
	4. Mrs. G.S. GEETHAMANI	Associate Professor	
	5. Ms. G. SIVABRINDHA	Asst. Professor	- leave of AB
	6. Dr. MARRYNAL S EASTAFF	Asst. Professor	
	7. Mrs. S. ARULMOZHI	Asst. Professor	
	8. Ms. U. SINTHUJA	Asst. Professor	
External (Subject Expert)	1. Dr. S. SIVAKUMAR	Associate Professor & Dean, Department of Computer Studies Thanthai Hans Roever College Perambalur -621212. Mobile Number: 99945 73725 Mail id: <a href="mailto:siva.cshod@gmail.com">siva.cshod@gmail.com</a>	
External (Subject Expert)	2. Dr. T. CHRISTOPHER	Assistant Professor Department of Information Technology Govt. Arts College Coimbatore. Mobile Number: 9843188833 Mail id : <a href="mailto:chris.hodcs@gmail.com">chris.hodcs@gmail.com</a>	 14.07.2022

<b>Industrial expert</b>	<b>Mr. YUVARAJ ANGAPPAN</b>	Project Head LUCID IT SOLUTIONS L-152, 7 <sup>TH</sup> Main, 8th Cross, LIC Colony, JeevanBhima Nagar, Bangalore, Karnataka – 560075 Mobile Number: 9738854149 Mail id: <a href="mailto:yuvaraja@lucidits.com">yuvaraja@lucidits.com</a>	ONLINE
<b>Alumni</b>	<b>Mr. B. NAVEEN KUMAR</b>	Transport Tracking Admin Flipkart Pvt. Ltd Coimbatore. Mobile Number: 8220839602 Mail id: <a href="mailto:nivivi299@gmail.com">nivivi299@gmail.com</a>	ONLINE
<b>University Nominee</b>	<b>Dr. D. NAPOLEAN</b>	Asst. Professor Dept. of Computer Science Bharathiar University Coimbatore – 641046. Mobile Number: 9655162717 Mail id: <a href="mailto:mekaranapoleon@yahoo.co.in">mekaranapoleon@yahoo.co.in</a>	

## MINUTES OF BOARD OF STUDIES MEETING

The following resolutions were made in the BOARD OF STUDIES meeting held on **14.07.2022** at **10.30am** in the Department of Information Technology (**B.Sc. IT & M.Sc. IT**).

1. The **Syllabi of V & VI semester** of the **UG (B.Sc. IT)** programme for the students admitted during the **academic year 2020-2021** and onwards were approved.
2. The **Syllabi of III & IV semester** of the **UG (B.Sc. IT)** programme for the students admitted during the **academic year 2021-2022** and onwards were approved.
3. The **Scheme of Examination** of the Choice Based Credit System (**CBCS**) and Learning Outcomes based Curriculum Framework (**LOCF**) for various courses and if the students who are all completed the NPTEL courses before Semester – V, they can avail exemption from appearing exams of DSE-III & DSE – IV in FAST TRACK SYSTEM were discussed and resolved for the **UG (B.Sc. IT)** Students admitted from the **academic year 2022-2023** and onwards.
4. The **Syllabi of I & II semester** of the **UG (B.Sc. IT)** programme for the students admitted during the **academic year 2022-2023** and onwards were approved.
5. The **Syllabi of III & IV semester** of the **PG (M.Sc. IT)** programme for the students admitted during the **academic year 2021-2022** and onwards were approved.
6. The **I & II Semester Scheme of Examination** of the Choice Based Credit System (**CBCS**) and Learning Outcomes based Curriculum Framework (**LOCF**) for various courses and if the students who are all completed the NPTEL courses before Semester – III, they can avail exemption from appearing exams of DSE-III & DSE – IV in FAST TRACK SYSTEM were discussed and resolved for the **PG (M.Sc. IT)** Students admitted from the **academic year 2022-2023** and onwards.
7. The **Syllabi of I & II semester** of the **PG (M.Sc. IT)** programme for the students admitted during the **academic year 2022-2023** and onwards were approved.
8. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Programming with C (22ITU01) for the students admitted in the academic year 2022-2023 and onwards.
9. The BOS of Department of Information Technology discussed and resolved to update the Syllabus of B.Sc. IT – Programming Using C (22ITU03) for the students admitted in the academic year 2022-2023 and onwards.

The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Data Structure and Algorithm (22ITU06) for the students admitted in the academic year 2022-2023 and onwards.

11. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Software Engineering (22ITU07) for the students admitted in the academic year 2022-2023 and onwards.
12. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Programming with JAVA (21ITU11) for the students admitted in the academic year 2021-2022 and onwards.
13. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Network Security and Cryptography (21ITU18) for the students admitted in the academic year 2021-2022 and onwards.
14. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Practical – V: RDBMS and Applications (21ITU20) for the students admitted in the academic year 2021-2022 and onwards.
15. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Practical – VI: Network Security and Cryptography (21ITU21) for the students admitted in the academic year 2021-2022 and onwards.
16. The BOS of Department of Information Technology discussed and resolved to update the Syllabus of B.Sc. IT – .NET Programming (20ITU20) for the students admitted in the academic year 2020-2021 and onwards.
17. The BOS of Department of Information Technology discussed and resolved to update the Syllabus of B.Sc. IT – Data Mining & Warehousing (20ITU21) for the students admitted in the academic year 2020-2021 and onwards.
18. The BOS of Department of Information Technology discussed and resolved to update the Syllabus of B.Sc. IT – Practical VII: Programming using .NET (20ITU22) for the students admitted in the academic year 2020-2021 and onwards.
19. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective I** : Software Testing (20ITU23A) for the students admitted in the academic year 2020-2021 and onwards.
20. The BOS of Department of Information Technology discussed and resolved to update the Syllabus of B.Sc. IT – **Elective I** : Cloud Computing (20ITU23B) for the students admitted in the academic year 2020-2021 and onwards.

1. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective I** : E- Commerce (20ITU23C) for the students admitted in the academic year 2020-2021 and onwards.
22. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Open Source Tools (20ITU25) for the students admitted in the academic year 2020-2021 and onwards.
23. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective II** : Internet of Things (20ITU26A) for the students admitted in the academic year 2020-2021 and onwards.
24. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective II** : Computer Installation and Servicing (20ITU26B) for the students admitted in the academic year 2020-2021 and onwards.
25. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective II** : Artificial Intelligence and Expert Systems (20ITU26C) for the students admitted in the academic year 2020-2021 and onwards.
26. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – Practical IX: Open Source Tools (20ITU27) for the students admitted in the academic year 2020-2021 and onwards.
27. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective III** : Big Data Analytics (20ITU28A) for the students admitted in the academic year 2020-2021 and onwards.
28. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective III** : Information Security (20ITU28B) for the students admitted in the academic year 2020-2021 and onwards.
29. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of B.Sc. IT – **Elective III** : Digital Image Processing (20ITU28C) for the students admitted in the academic year 2020-2021 and onwards.
30. The BOS of Department of Information Technology discussed and resolved Artificial Intelligence (20ITMU24) is moved as elective paper **Elective I**: Artificial Intelligence (20ITMU23) for the students admitted in the Track 2 during the academic year 2020-2021 and onwards.
31. The BOS of Department of Information Technology discussed and resolved to update the Syllabus of M.Sc. IT – Web Programming Using Open Source Technologies (22ITP01) for the students admitted in the academic year 2022-2023 and onwards.

2. The BOS of Department of Information Technology discussed and resolved to rename and modify the Syllabus of M.Sc. IT- **Practical – II**: Java Programming (21ITP06) to **Practical – II**: Object Oriented Programming (22ITP06) for the students admitted in the academic year 2022 - 2023 and onwards.
33. The BOS of Department of Information Technology discussed and resolved to modify the Syllabus of M.Sc. IT – Internet of Things (21ITP15) for the students admitted in the academic year 2021-2022 and onwards.
34. The BOS of Department of Information Technology discussed and resolved to offer the title and syllabus of the Self Study Course for M.Sc. IT - NodeJS and React (21ITP25A) or Django for Web Development (21ITP25B) for the students admitted in the academic year 2021-2022 and onwards.
35. Value added courses (Job Oriented Courses) UG (B.Sc. IT) were introduced as an extra credit courses for all semesters of the programme and evaluation pattern discussed and approved.

<b>List of Open Elective Papers &amp; VAC / JOC</b>	
<b>Electives</b>	Yoga for Human Excellence
	Human Health & Hygiene
	Indian Culture and Heritage
	Indian Constitution and Political System
	Consumer Awareness and Protection
	Professional Ethics and Human Values
	Human Rights, Women's Rights & Gender Equality
	Disaster Management
	Green Farming
	Campus to Corporate
	Start-up Business
	Research Methodology and IPR
	General Studies for Competitive Examinations
	IIT JAM Examination (for Science only)
	CUCET Examination
<b>Courses offered by the Departments to other Programme</b>	
a) Digital Marketing	
b) Network Reconnaissance	
c) VM Ware	
d) Animation and its Technique	
e) Multimedia and its Applications	
f) Network Administration and Trouble shooting	
g) Project Management	

	h) Mongo DB
	i) Block Chain Technology
	j) E-Learning

36. Value added courses (Job Oriented Courses) PG (M.Sc. IT) were introduced as an extra credit courses for all semesters of the programme and evaluation pattern discussed and approved.

S.No	Subject code	Title of VAC course
1	A	Digital Marketing
2	B	SAP ERP Fundamentals
3	C	Digital Humanities
4	D	Master Web Designing in Photoshop
5	E	Cyber law
6	F	Web Services

37. Aptitude/Placement training/Online courses (Job Oriented Courses) are introduced as Skill Enhancement Courses (SEC) and grades will be provided for each semester and to be approved.

38. It is resolved that changes are recommended in the new scheme of evaluation for the B.SC IT students from the academic year 2022-2023 and onwards.

a. For B.Sc. IT in the Semester IV & V semester with course code – 22ITU19 – Web Based Office Applications and 22ITU27 – Internet of Things is consisting of the content with Theory Plus Practical but consider as a Theory paper.

b. No changes are recommended in the existing scheme of evaluation for B.SC IT Track2: Industry Integrated Course (Courses offered only) students from the academic year 2020-2021 & 2021-2022 and onwards.

39. The above points are discussed and approved by the member of Board of Studies in Department of Information Technology on 14.07.2022.

40. Additional names for the panel of question paper setters and evaluators were included and it was approved.

22/7/22

Co-ordinator  
Curriculum Development Cell  
Hindusthan College of Arts & Science,  
Coimbatore-641 028.

Name & Signature of the Chairman (With seal)

**Dr. V. SARAVANAN**  
MCA., M.Sc(CS), M.Phil., PGDCA., Ph.D.,  
Professor & Head  
Department of Information Technology  
Hindusthan College of Arts and Science  
Coimbatore - 641 028.

**ures:**

**1. For B.Sc. IT (I& II semester) for the academic year 2022-23**

Semester No	Subject Code	Courses
I	22ITU01	Programming with C
I	22ITU02	Digital Fundamentals and Architecture
I	22ITU03	Practical – I : Programming using C
II	22ITU05	Programming with PYTHON
II	22ITU06	Data Structures and Algorithms
II	22ITU07	Software Engineering
II	22ITU08	Practical – II : Data Structures using PYTHON

**2. For B.Sc. IT (III & IV semester) for the academic year 2021-22**

Semester No	Subject Code	Track-1	Subject Code	Track -2
III	21ITU11	Programming with JAVA	21ITU11	Programming with JAVA
III	21ITU12	Operating System in Practice	21ITMU12	Big Data and Data Science – R Programming
III	21ITU13	PC Architecture	21ITU13	PC Architecture
III	21ITU14	<b>Practical –III:</b> Programming using JAVA	21ITU14	<b>Practical –III:</b> Programming using JAVA
III	21ITU15	<b>Practical –IV:</b> Mobile Application Development	21ITU15	<b>Practical –IV:</b> Mobile Application Development
IV	21ITU17	Relational Database Management System	21ITMU17	Database Administration Fundamentals
IV	21ITU18	Network Security and Cryptography	21ITU18	Network Security and Cryptography
IV	21ITU19	Web Based Office Applications ##	21ITU19	Web Based Office Applications ##
IV	21ITU20	<b>Practical–V</b> -RDBMS Applications	21ITU20	<b>Practical–V</b> -RDBMS Applications
IV	21ITU21	<b>Practical –VI</b> -Network Security and Cryptography	21ITU21	<b>Practical –VI</b> -Network Security and Cryptography
IV	21ITU23A	<b>Elective–I:</b> Compiler Design	21ITU23A	<b>Elective–I:</b> Compiler Design
IV	21ITU23B	<b>Elective–I:</b> Distributed Computing	21ITU23B	<b>Elective–I:</b> Distributed Computing



3. For B.Sc. IT (V & VI semester) for the academic year 2020-21

Semester No	Subject Code	Track-1	Subject Code	Track -2
V	20ITU20	NET Programming		
V	20ITU21	Data Mining & Warehousing	20ITMU21	Machine Learning
V	20ITU22	<b>Practical - VII:</b> Programming using .NET	20ITU22	<b>Practical - VII:</b> Programming using .NET
V	20ITU23A	Software Testing	20ITMU23	Artificial Intelligence
V	20ITU23B	Cloud Computing		
V	20ITU23C	E- Commerce		
V	20ITU24	<b>Practical - VIII:</b> Data Analytics	20ITU24	<b>Practical - VIII:</b> Data Analytics
VI	20ITU25	Open Source Tools	20ITU25	Open Source Tools
VI	20ITU26A	<b>Elective II:</b> Internet of Things	20ITU26A	<b>Elective II:</b> Internet of Things
VI	20ITU26B	<b>Elective II:</b> Computer Installation & Servicing	20ITU26B	<b>Elective II:</b> Computer Installation & Servicing
VI	20ITU26C	<b>Elective II:</b> Artificial Intelligence and Expert Systems	20ITU26C	<b>Elective II:</b> Artificial Intelligence and Expert Systems
VI	20ITU27	<b>Practical - IX:</b> Open Source Tools	20ITU27	<b>Practical - IX:</b> Open Source Tools
VI	20ITU28A	<b>Elective III:</b> Big Data Analytics	20ITU28A	<b>Elective III:</b> Big Data Analytics
VI	20ITU28B	<b>Elective III:</b> Information Security	20ITU28B	<b>Elective III:</b> Information Security
VI	20ITU28C	<b>Elective III:</b> Digital Image Processing	20ITU28C	<b>Elective III:</b> Digital Image Processing
VI	20ITU29	<b>Practical - X:</b> Software Testing Tools	20ITU29	<b>Practical - X:</b> Software Testing Tools
VI	20ITU30	Project Work	20ITU30	Project Work

For M.Sc. IT (I & II semester) for the academic year 2022-23

S.No	Sem	Subject code	Title of the subject
1.	I	22ITP01	Web Programming Using Open Source Technologies
2.	I	22ITP02	Cloud Computing and Services
3.	I	22ITP03	Advanced Java Programming
4.	I	22ITP04	Database System Concepts
5.	I	22ITP05	<b>Practical I:</b> Web Application Programming
6.	I	22ITP06	<b>Practical II:</b> Object-Oriented Programming
7.	II	22ITP08	Advanced Operating System
8.	II	22ITP09	Advanced Network Technologies
9.	II	22ITP10	Mobile Application Development
10.	II	22ITP11	Software Engineering with Agile and DevOps
11.	II	22ITP12	<b>Practical III :</b> Advanced Network Programming
12.	II	22ITP13	<b>Practical IV :</b> Mobile Application Programming

For M.Sc. IT (III& IV semester) for the academic year 2021-22

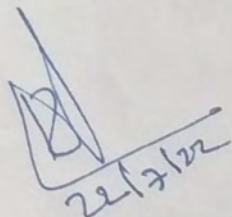
S.No	Sem	Subject code	Title of the subject
1.	III	21ITP15	Internet of Things
2.	III	21ITP16	Deep Learning with Python
3.	III	21ITP17	Research Methodology
4.	III	21ITP18	<b>Practical V : Programming the Internet of Things Lab</b>
5.	III	21ITP19	<b>Practical VI : Python Programming Lab</b>
6.	III	21ITP19A	<b>Elective I : Enterprise Resource Planning</b>
7.	III	21ITP19B	<b>Elective I : Bioinformatics</b>
8.	III	21ITP20A	<b>Elective II : Digital Image Processing and Analysis</b>
9.	III	21ITP20B	<b>Elective II : Mobile Computing</b>
10.	IV	21ITP23A	<b>Elective III : Soft Computing</b>
11.	IV	21ITP23B	<b>Elective III : Artificial Intelligence</b>
12.	IV	21ITP24A	<b>Elective IV : Multimedia Processing</b>
13.	IV	21ITP24B	<b>Elective IV : Social Networks</b>
14.	IV	21ITP25	<b>Self Study Course</b>
17.	IV	21ITP26	<b>Project Work</b>

Panel of question paper setters (Give minimum 10 experts)

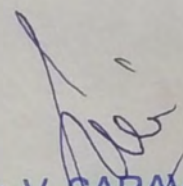
DEPARTMENT: Information Technology

S.No	Name & Designation	College Address	Mobile Number and E-Mail ID	No. of years of Teaching Experience	Specialized Subjects
1	Dr. T. CHRISTOPHER, ASSISTANT PROFESSOR	DEPARTMENT OF COMPUTER SCIENCE GOVT. COLLEGE OF ARTS AND SCIENCE COIMBATORE.	9843188833 chris.hodcs@gmail.com	25 YEARS	All Computer Science Related Subjects
2	MR.R. BOOBATHIRAJ R ASSOCIATE PROFESSOR	DEPARTMENT OF COMPUTER SCIENCE, DR.G.R.DAMODARAN COLLEGE OF ARTS & SCIENCE, COIMBATORE -14	9965975295 boobathiraj.r@grd.edu.in	19 YEARS	All Computer Science Related Subjects
3	Dr. R. NAVEEN KUMAR ASSISTANT PROFESSOR	DEPARTMENT OF COMPUTER SCIENCE, SRI KRISHNA ADITHYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE	9865554436 naveenkumarr@skacas.ac.in	11 YEARS	All Computer Science Related Subjects
4	Dr. K. PRATHAPCHANDRAN ASSISTANT PROFESSOR(SG)	DEPARTMENT OF COMPUTER APPLICATIONS, NEHRU ARTS AND SCIENCE COLLEGE(AUTONOMOUS) COIMBATORE	9976616685 nascdrprathap@nehrucolleg es.com	12 YEARS	All Computer Science Related Subjects
5	Dr. M. LINGARAJ Associate Professor & HEAD	DEPARTMENT OF COMPUTER SCIENCE, SANKARA COLLEGE OF SCIENCE AND COMMERCE, SARAVANAMPATTY, COIMBATORE -35	9894186691 maillingal23@gmail.com	20 YEARS	All Computer Science Related Subjects
6	Dr.M.JAIKUMAR, ASSOCIATE PROFESSOR & HEAD	DEPARTMENT OF COMPUTER APPLICATIONS, SRI RAMAKRISHNA MISSION VIDYALAYA CAS, COIMBATORE - 20	9092908425, 7010646363 jai2911@gmail.com	16 YEARS	All Computer Science Related Subjects
7	Dr. P. VIJAYAKUMAR, HEAD & ASSOCIATE PROFESSOR	DEPARTMENT OF COMPUTER APPLICATIONS, SRI JAYENDRA SARASWATHY MAHA VIDYALAYA COLLEGE OF ARTS AND SCIENCE, 182, SIHS COLONY ROAD, SINGANALLUR, COIMBATORE - 641005	9942281876 8778259149 vijayvigash@gmail.com	20 YEARS	All Computer Science Related Subjects
8	Dr. SARALA, ASSISTANT PROFESSOR	DEPARTMENT OF COMPUTER SCIENCE, KG COLLEGE OF ARTS AND SCIENCE, KGISL CAMPUS, SARAVANAMPATTI, COIMBATORE - 641035	9994552286 sarala.r@kgcas.com	9 YEARS	All Computer Science Related Subjects

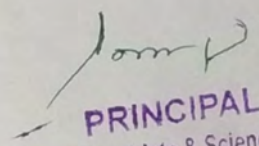
	<b>K. KAVITHA, ASSISTANT PROFESSOR</b>	DEPARTMENT OF COMPUTER APPLICATIONS, Dr. NGP ARTS AND SCIENCE COLLEGE, COIMBATORE - 641048	9841158445 <a href="mailto:kavitha.k@drngpasc.ac.in">kavitha.k@drngpasc.ac.in</a>	8 YEARS	All Computer Science Related Subjects
10	<b>GOKILAVANI.A Associate Professor &amp; HEAD</b>	KG COLLEGE OF ARTS AND SCIENCE, KGISL CAMPUS, SARAVANAMPATTI, COIMBATORE -641035	9789498209 <a href="mailto:a.gokilavani@krgcas.com">a.gokilavani@krgcas.com</a>	12 YEARS	All Computer Science Related Subjects
11	<b>P. PONSEKAR, MSc M.Phil (Ph.D) Asst Professor,</b>	DEPARTMENT OF COMPUTER SCIENCE, KOVAI KALAIMAGAL COLLEGE OF ARTS AND SCIENCE COIMBATORE 641109	9788806815 <a href="mailto:pon84sekar@gmail.com">pon84sekar@gmail.com</a>	13 YEARS	All Computer Science Related Subjects

  
22/7/22

Co-ordinator  
Curriculum Development Cell  
Hindusthan College of Arts & Science,  
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**Dr. V. SARAVANAN**  
MCA., M.Sc(CS), M.Phil., PGDCA., Ph.D.,  
Professor & Head  
Department of Information Technology  
Hindusthan College of Arts and Science  
Coimbatore - 641 028.



**PRINCIPAL**  
Hindusthan College of Arts & Science (Autonomous),  
Hindusthan Gardens, Behind Nava India,  
Coimbatore - 641 028.