



# NEHRU ARTS AND SCIENCE COLLEGE

(Autonomous)

Reaccredited by NAAC with 'A' Grade, Certified by ISO 9001:2008 & 14001:2004

Recognized by UGC & Affiliated to Bharathiar University

Nehru Gardens, Coimbatore-641 105

## Scheme of Examination (II Semester Language)

(Applicable to the students admitted during the year 2018-2019)

### B.Sc., Computer Technology

Semester	Part	Course Code	Name of the Course	Instruction hours / week	Duration of Examination	Examination Marks			Credits
						CIA	ESE	Total	
I	I	18U1TAM101 / 18U1HIN101 / 18U1MAL101 / 18U1FRN101	Language-I	5	3	25	75	100	4
	II	18U2ENG101	English-I	5	3	25	75	100	4
	III	18U3CKC101	Core Paper I Computing Fundamentals and C Programming	4	3	25	75	100	4
	III	18U3CKC102	Core Paper II Digital Fundamentals and Computer Architecture	4	3	25	75	100	4
	III	18U3CTP101	Core Paper III Practical in C Programming	4	3	40	60	100	4
	III	18U3MIA101	Allied Paper I Mathematics Computer Science	5	3	25	75	100	4
	IV	18U4ENV101	Ability Enhancement Compulsory Course: Environmental Studies	2	3	-	50	50	2
	IV	18U4HVY201	Human Excellence – Human Values and Yoga Practice I	1	-	-	-	-	-
				<b>30</b>				<b>650</b>	<b>26</b>
II	I	18U1TAM202 / 18U1HIN202 / 18U1MAL202 / 18U1FRN202	Language II	5	3	25	75	100	4
	II	18U2ENG202	English II	5	3	25	75	100	4
	III	18U3CKC203	Core Paper IV C++ Programming	6	3	25	75	100	4

	III	18U3CTP202	Core Paper V Practical in C++ Programming	6	3	40	60	100	4
	III	18U3MIA202	Allied Paper II Discrete Mathematics	5	3	25	75	100	4
	IV	18U4HRC201	Ability Enhancement Compulsory Course: Human Rights and Constitution of India	2	3	-	50	50	2
	IV	18U4HVY201	Human Excellence – Human Values and Yoga Practice I	1	2	25	25	50	2
				<b>30</b>				<b>600</b>	<b>24</b>
III	III	18U3CKC304	Core Paper VI Data Structures	5	3	25	75	100	4
	III	18U3CKC305	Core Paper VII Java Programming	5	3	25	75	100	4
	III	18U3CTP303	Core Paper VIII Practical in Java Programming	6	3	40	60	100	4
	III	18U3MIA303	Allied Paper III Robotics	5	3	25	75	100	4
	IV	18U4ITZ301	Skill Based Paper I Practical in WordPress	4	3	20	55	75	3
	IV	18U4NM3BT1/ 18U4NM3AT1/ 18U4NM3CAF/ 18U4NM3GTS/ 18U4NM3WRT	# @Basic Tamil / ##Advanced Tamil / * NME: Consumer Affairs / Gandhian Thoughts / Women's Rights	2	3	50	50	50	2
	IV	18U4IT3ED1/ ED2	Extra Departmental Course	2	3	-	50	50	2
	IV	18U4HVY402	Human Excellence – Human Values and Yoga Practice II	1	-	-	-	-	-
IV	18U4ITVALC	**Skill Enhancement Add on course - Institute Industry Linkage	-	-	-	-	-	-	
				<b>30</b>				<b>575</b>	<b>22</b>
IV	III	18U3CKC406	Core Paper IX Operating System	6	3	25	75	100	4
	III	18U3CKC407	Core Paper X Computer Networks	6	3	25	75	100	4
	III	18U3CTP404	Core Paper XI Practical in Mobile Application Development	6	3	40	60	100	4
	III	18U3CTA404	Allied Paper IV Microprocessor and ALP	6	3	25	75	100	4
	IV	18U4CTS402	Skill Based Paper II Mobile Application Development	3	3	20	55	75	3
	IV	18U4NM4BT2/	# @Basic Tamil /	2	2	50	50	50	2

		18U4NM4AT2/ 18U4NM4GEN	##Advanced Tamil / General Awareness						
	IV	18U4HVVY402	Human Excellence – Human Values and Yoga Practice II	1	2	25	25	50	2
	IV	18U4ITVALC	**Skill Enhancement Add on course - Institute Industry Linkage	-	-	-	-	-	Grade
				<b>30</b>				<b>575</b>	<b>23</b>
V	III	18U3CKC508	Core Paper XII RDBMS & ORACLE	6	3	25	75	100	4
	III	18U3CKC509	Core Paper XIII ASP.Net and C#	5	3	25	75	100	4
	III	18U3CTP505	Core Paper XIV Practical in ASP.Net and C#	6	3	40	60	100	4
	III	18U3CTP506	Core Paper XV Practical in Multimedia	3	3	-	50	50	2
	III	18U3CKE501/2 /3/4	Discipline Specific Elective Paper I	6	3	25	75	100	4
	IV	18U4ITS503	Skill Based Paper III Practical in Joomla	4	3	20	55	75	3
	III	18U3ITV510	Core Paper XVI In-plant Training	-	-	-	50	50	2
				<b>30</b>				<b>575</b>	<b>23</b>
VI	III	18U3CKC610	Core Paper XVII Data Mining	6	3	25	75	100	4
	III	18U3CTP607	Core Paper XVIII Practical in Data Mining Using R	5	3	40	60	100	4
	III	18U3CTV611	Core Paper XIX Project & Viva-Voce	5	3		100	100	4
	III	18U3CKE605/6 /7/8	Discipline Specific Elective Paper II	5	3	25	75	100	4
	III	18U3ITE609/10 /11/12	Discipline Specific Elective Paper III	5	3	25	75	100	4
	IV	18U3ITZ604	Skill Based Paper IV Practical in Open Source System	4	3	30	45	75	3
	V	18U5IT6EXT	Extension Activity	-	-	50	-	50	2
				<b>30</b>				<b>625</b>	<b>25</b>
<b>Total</b>								<b>3600</b>	<b>144</b>
<b>Additional Credit (Optional II - V)</b>									<b>8<sup>s</sup></b>

# **Basic Tamil** -Students who have not studied Tamil up to 12<sup>th</sup> standard.

##**Advance Tamil** – Students who have studied Tamil language up to 12<sup>th</sup> standard and chosen other languages under part I of UG Programme but would like to advance their Tamil language skills.

\* **NME** – Student shall choose any one course out of three courses.

@ No End Semester Examinations. Only Continuous Internal Assessment (CIA)

\$ - Not included in Total marks & CGPA Calculation

\*\*Examination and evaluation for value added course shall be conducted by the industry and mark shall be submitted to the Controller of Examination for the award of grade

**Discipline Specific Elective papers (Choose any one of the paper)**

<b>ELECTIVES</b>	<b>COURSE CODE</b>	<b>NAME OF COURSE</b>
<b>Elective paper I</b>	17U3CKE501	E- commerce
	17U3CKE502	Compiler Design
	17U3CKE503	Internet of Things
	17U3CKE504	Big Data Analytics
<b>Elective paper II</b>	17U3CKE605	Software agent
	17U3CKE606	Information Security
	17U3CKE607	Cloud Computing
	17U3CKE608	Cyber Security
<b>Elective paper III</b>	17U3CKE609	Mobile Computing
	17U3CKE610	Geographic Information System
	17U3CKE611	Green Computing
	17U3CKE612	Enterprise Resource Planning

**Extra Departmental Course**

<b>S.No.</b>	<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>
1	III	17U4IT3ED1	Libre Office Suite
2		17U4IT3ED2	GIMP

**Additional Credit Course**

Earning Additional credit course is not mandatory for Course Completion.

Additional credits: 8

<b>S. No.</b>	<b>Subject</b>	<b>Credit</b>	<b>Total Credits</b>
1	Completion of Certificate Course	1	1
2	Hindi/ other Foreign languages	1	1

3	Self Study Papers	1	2
4	Massive Open Online Course(MOOC)/ Spoken Tutorial prescribed by the Department	1	3
5	Representation - Sports/Social Activities/ Co curricular/Extracurricular Activities at University/ District/ State/ National/ International levels	1	1
<b>Total</b>			8

**Rules:** The Students can earn additional credits only if they complete the above during the course period (II to V Semester) and based on the following criteria. Proof of Completion must be submitted to the Office of Controller of Examinations before the commencement of the VI Semester. (Earning Additional credit course is not mandatory for Course Completion)

1. Students can complete Certification Courses for a minimum of 30hrs (II to V Semester only) from reputed centers and the same certificate shall be produced to earn a credit. They shall be guided by the Department if needed.
2. Students can opt Hindi/ any Foreign Language approved by Certified Institutions to earn one credit. The certificate of Hindi must be obtained from Dakshin Bharat Hindi Prachar Sabha and He/ She has to enroll and complete during their course period (II to V Semester)
3. Students can earn one credit, if they complete One Self Study Paper prescribed by the Department. The Departments shall offer two Self Study Papers.

#### **Self Study Paper offered by Department of Computer Technology**

S. No.	Semester	Course Code	Course Title
1	Semester II to V	17UITSS01	Quantitative Aptitude
2		17UITSS02	WordPress

4. Students can earn one Credit, if they complete any one Massive Open Online Course (MOOC) / Spoken Tutorial prescribed by the Department. Students shall earn a maximum of 3 Additional Credits by completing 3 online courses.

#### **List of Online Courses prescribed by Department of Information Technology**

1. Introduction to IoT - Spoken Tutorial

- |                       |   |                 |
|-----------------------|---|-----------------|
| 2. Libre Office Suite | - | Spoken Tutorial |
| 3. Libre Office Draw  | - | Spoken Tutorial |
| 4. Skill Development  | - | Spoken Tutorial |
| 5. Blender            | - | Spoken Tutorial |

**Note:** Other than the above mentioned courses, any course from recognized websites with the consent of the Head of the Department will also be accepted.

5. Award Winners in Sports/Social Activities/ Co curricular/ Extra Curricular Activities at University/ District/ State/ National/ International levels can earn One Extra Credit by producing the Certificate.

**Chairman**  
**Board of Studies in Computer Science**  
**Nehru Arts and Science College**  
**Coimbatore**