


**K.S.Rangasamy College of Arts& Science (Autonomous), Tiruchengode-637 215**

**Department of Physics**

**Local / National / Regional / Global**

**Programme: M.Sc., Physics**

COURSE CODE	COURSE NAME	NEED				REMARKS
		Local	National	Regional	Global	
18PPHM104	Core IV: Condensed Matter Physics		✓	✓		This course is focused on properties of various materials which formulate the multidisciplinary knowledge to the students to develop materials for the need of national and regional challenges.
18PPHEL201	Elective I :Modern optics		✓			This subject is focused on understanding the working of various lasers which impart knowledge to the students to apply for national needs
18PPHEL203	Elective I :Biomaterials				✓	This course provides knowledge of properties and applications of biomaterials to develop health care materials for global needs.
18PCSPHI201	IDC I: Computer Graphics and Multimedia	✓				Student can able to apply their knowledge for making computer graphics and multimedia to the need of local society
18PCSPHIP201	IDC Practical I:Multimedia Tools	✓				
18PPHM302	Core VIII: Advanced Electronics	✓		✓		Students can be able to develop homemade electronic devices for the local and regional need of the society.
18PPHM303	Core IX: Microprocessor and Microcontroller	✓		✓		
18PPHMP301	Core practical III:Advanced Electronics Practical	✓		✓		
18PPHEL301	Elective II :Physics of nanoscale		✓		✓	Students can formulate the multidisciplinary knowledge to develop nanomaterials towards energy, environment and healthcare applications for the national and global needs

  
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18PECPHI301	IDC II: Modern Biomedical Instrumentation	✓		✓		Students can able to find the solutions to medical problems through various Modern Biomedical Instrumentation methods for local and regional needs of the society.
18PPHM402	Core XI: Nuclear and Particle Physics		✓	✓		This course provides awareness about nuclear radiations and nuclear power for energy production with environmental safety for national and regional needs.

  
HOD

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