

Attendance Recording and Monitoring System

Objective:

- With an objective of improving the attendance of the students and transparency in the attendance recording system the institute attempted an upgradation of manual entry of attendance in printed registers to digitalization through ERP. This may result into reduction of errors and instantaneous feedback to the students about the absenteeism as well as the lesson plan taught in that particular day.
- Further, upgradation of employee attendance from card swiping system to biometric fingerprint system is in the process of implementation.

Context:

Existing students' attendance used to be recorded in manual registers. Now it is replaced with automated system, that is, IoN of TCS which is also operational in the mobile devices through mTOP application. The students can also view the status of their attendance in their device.

The biometric fingerprint system provides improved transparency in HR management and employee leave management. Further, online link to the ERP system will provide total paperless management of employee HR relationship.

Practice:

- Till the year 2016, the student's attendance system was being recorded manually in a printed register where the names of the students had to be handwritten
- In every class the faculty member used to carry the register and identify the student and enter his/her presence mark in manual register which not only consumes the precious teaching minutes but also leads to manual errors.
- Digitalization of student attendance in the ERP system will provide an instantaneous attendance recording Laptop or Smartphone
- Instantly, the students come to know whether his/her attendance has been marked and the covered topic on that day
- Troubleshooting and tutorial classes arranged to compensate slippages in theory and practical

Evidence and Success:

- Attendance is improved
- Discipline is improved
- Employee leave management system became transparent and paperless

The screenshot displays the ION Self Service portal interface. At the top, the browser address bar shows the URL <https://g01.tcsion.com/SelfServices/home?urn=62167238>. The page header includes the ION logo and 'Self Service' text. Below the header, there are navigation tabs for 'My Quicklinks' and 'Default Quicklinks'. The main content area features four large quicklink tiles: 'HRMS Solution', 'Digital Campus', 'HelpDesk', and 'Reports and Communication'. Below these tiles is a 'Search Links' input field. The page lists various services categorized into sections: 'Communication' (Submit Feedback, Communicate), 'Faculty Academics' (My Calendar), 'Faculty Timetable' (Track My Periods, View My Weekly Timetable, Mark Attendance), 'Hostel' (Initiate Hostel Checkout, Manage Hostel Request), 'Student Profile' (View Student Profile), and 'Transport'.

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Learning Management System (LMS)

Digital Learning platform integrates Learning Management System (LMS), Collaboration and Communication to facilitate experiential learning for improved learner outcomes.

The platform architecture of Digital Learning supports a collaborative pedagogical model to enrich participatory learning by offering course delivery, assessment, reports and other learning opportunities in a secure, community delivery mode. Each Institute can create its own community of learners and these communities can be made more specific to classes and sections.

Digital Learning enables:

- Course planning, creation and delivery using the course tools such as course templates, syllabus, scheduling and pre-requisite features.
- Course content upload and sharing using the content tools that offer freedom to upload multiple types of files (documents, PPTs, video, audio, SCORM and ePUB) against a created course.
- Sharing your courses and communities with internal as well as external stakeholders, as required.
- Creating question papers and question banks for multiple assessments needs with built in evaluation tools that allow student monitoring and feedback.
- Designing grading schema.
- Creating certificate designs and generating them for learners on successful completion of exams.
- Creating institutional calendar and sharing with learners and instructors.

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Search Platform...

Home » Platform | Last Login: 05 Jan 2018 10:24 Type: LX | T&C Help

Manage Platform

MANAGE

- Community
- My Enterprise
- Share My Community/Course
- Attributization
- External Users

REPORTS

- Organization Logs

MANAGE LMS

- Course Templates
- Course Batches
- Exam Monitor

REPOSITORY

- Content Repository
- Grade Repository

Mr. Supriya Mana

- My Courses
- My Communities
- My Actions
- My Posts
- My Activities
- My Calendar
- My Favourites
- My History
- Manage Courses
- Platform**

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Search Platform...

Home » Platform » Course Templates | Last Login: 05 Jan 2018 10:24 Type: LX | T&C Help

Course Templates

[+ Create Course](#) [+ Create Course Templates in Bulk](#)

Active Courses | Archived Courses

Course Name Visibility Status

Course Type Admin

[Search](#) [Reset](#)

[Generate report](#)

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- My Favourites
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- Manage Courses
- Platform**

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Digital Learning - The Peripheral nervous system - Google Chrome

https://g01.tcsion.com/LX/contents/content_home?c_id=the-peripheral-nervous-system-327-1528&content_player=true

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Peripheral Nervous System- Definition

"Peripheral" in anatomy and medicine (as elsewhere) is the opposite of "central." It means situated away from the center. The word **"peripheral"** comes from the Greek "periphēra" ("peri-", around or about + "pherein", to bear, carry). An IV (intravenous) catheter is a peripheral line.

The **peripheral nervous system (PNS)** consists of all neurons that exist outside the brain and spinal cord. This includes long nerve fibers containing bundles of axons as well as ganglia made of neural cell bodies. The peripheral nervous system connects the **central nervous system (CNS)** made of the brain and spinal cord to various parts of the body and receives input from the external environment as well.

Functionally, the PNS is divided into **sensory** (afferent) and **motor** (efferent) nerves, depending on whether they bring information to the CNS from sensory receptors or carry instructions towards muscles, organs or other effectors. Motor nerves can be further classified as somatic or autonomic nerves, depending on whether the motor activity is under voluntary conscious control.

Anatomically, the PNS can be divided into spinal and cranial nerves, depending on whether they emerge from the spinal cord or the brain and brainstem. Both cranial and spinal nerves can have sensory, motor or mixed functions. The enteric nervous system, surrounding the gastrointestinal tract is another important part of the peripheral nervous system. While it receives signals from the autonomic nervous system, it can function independently as well and contains nearly five times as many neurons as the spinal cord.

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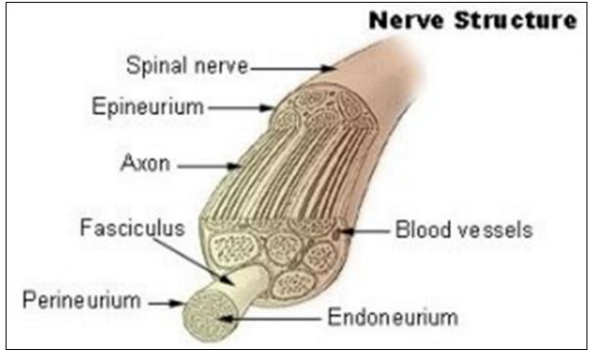
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Peripheral Nervous System- Nerve structure



The image above depicts the structure of a nerve. Blood capillaries and other connective tissue around the neurilemma form the

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