

# timeTec



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***TIMETEC COMPUTING SDN BHD***

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# WSDL

<https://api.timeteccloud.com/webservice/WebServiceTimeTecAPI.asmx?WSDL>

## WebServiceLogin

- **Description:** Login to TimeTec web service
- **Param:** Username, Password
- **Param Description:**

Param	Description	Data Type	Size	Remark
Username	Value of Username is the username of TimeTec SDK login.	Varchar	Varchar(50)	Required
Password	Value of Password is the password of TimeTec SDK login.			

- **Return:**

Type	Possible variable	Description	Data Type	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	Text	1. Username or password is not valid 2. Invalid parameter
Result	Status	Indicate whether or not the function is executed successfully	—	Success, Fail
	Security Token	Used for authentication for subsequent function. Need to put in SoapHeader when call subsequent function from web service. Eg (PHP). \$auth = array ( 'SecurityToken'=>\$this->getSecurityToken() ); \$header = new SoapHeader(\$this->namespace,'WebServiceSoapHeader',\$auth,false);	Varchar (255)	CF4C25A5F6142BE2B DE0A5086B43825141C 2AEA5

- **Sample return message:**

- i. Success

- ```
{"ErrorMessage":"","Result":{"Status":"Success","SecurityToken":"CF4C25A5F6142BE2BDE0A5086B43825141C2AEA5"}}
```

- ii. Fail

- ```
{"ErrorMessage":"Username or password is not valid","Result":{"Status":"Fail","SecurityToken":""}}
```

## GetCompanyID

- **Description:** To get Company ID

- **Param:** No parameter is required.

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Security token is not valid 2. Invalid parameter
Result	Status	---	Success, Fail
	Company_ID	Company ID	387

- **Sample return message:**

- i. Success

- ```
{  
  "ErrorMessage":"","  
  "Result":{  
    "Status":"Success",  
    "CompanyID":"387"  
  }  
}
```

- ii. Fail

- ```
{"ErrorMessage":"Invalid parameter",  
  "Result":{"Status":"Fail","CompanyID":""}}
```

# GetUserInfo

- **Description:** To get user info by Company ID and User ID
- **Param:** CompanyID, UserID

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required
UserID	User ID			

- **Return:**

Type	Possible variable	Description	Possible value	
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Security token is not valid 2. Invalid parameter	
Result	Status	---	Success, Fail	
	Company_ID	Company ID	---	
	User_ID	User ID		
	Employee_ID	Employee No.		
	Name	Employee Name		
	Branch	---		
	Department			
	Section			
	SSN	Social Security No.		
	ID	ID No.		
	Phone	Telephone No.		
	Email	---		
	Address			
	HourRate	Rate / Hour		
	GroupNo	Duty Group		
	Privilege	0 : User 1 : Enroller 2 : Admin 3 : Supervisor		---
	Username	---		
	CardNo	Card No.		
	WebAble	Web Punch 1 : Enable 0 : Disable		1, 0

Type	Possible variable	Description	Possible value
Result	Mobile_ID	Mobile ID	
	MobileAble	Mobile Check In 1 : Enable 0 : Disable	1, 0
	CreateDate	---	---
	LastUpdate		
	SuspendDate		
	LastSignIn		
	IssueDate	Issued	---
	ExpireDate	Expired	
	Remark	---	
	TimeZone	Time Zone	
	DST	1 : Enable 0 : Disable	1, 0
	UserType	---	Operator, Admin, SystemAdmin, User
	Organization StructureID	Organization Structure ID	6487
	Organization Structure	Organization Structure	Sales & Marketing

- **Sample return message:**

- i. Success

```

{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "UserInfoObj": [
      {
        "Company_ID": "387",
        "User_ID": "92",
        "Employee_ID": "",
        "Name": "FAIZ SHU IZHAN - AC900",
        "Branch": "Malaysia",
        "Department": "Technical Support",
        "Section": "",
        "SSN": "",
        "ID": "",
        "Phone": ""
      }
    ]
  }
}

```

```

    "Email":"","
    "Address":"","
    "HourRate":"","
    "GroupNo":"88",
    "Privilege":"0",
    "Username":"","
    "CardNo":"0",
    "WebAble":"0",
    "Mobile_ID":"","
    "MobileAble":"0",
    "CreateDate":"13/9/2012 12:21:32 PM",
    "LastUpdate":"23/4/2013 4:20:15 PM",
    "SuspendDate":"","
    "LastSignIn":"","
    "IssueDate":"21/9/2012 12:00:00 AM",
    "ExpireDate":"","
    "Remark":"","
    "Timezone":"","
    "DST":"0",
    "UserType":"User",
    "OrganizationStructureID":"6487",
    "OrganizationStructure":"Sales & Marketing"
}
]
}
}
}
ii. Fail
{"ErrorMessage":"Invalid parameter", "Result":{"Status":"Fail","UserInfoObj":""}}

```

## GetAllUserInfo

- **Description:** To get all users info from the same company
- **Param:** CompanyID

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Security token is not valid 2. Invalid parameter
Result	Status	---	Success, Fail
	Company_ID	Company ID	---
	User_ID	User ID	
	Employee_ID	Employee No.	



Type	Possible variable	Description	Possible value	
Result	Name	Employee Name		
	Branch	---	---	
	Department			
	Section			
	SSN	Social Security No.		
	ID	ID No.		
	Phone	Telephone No.		
	Email	---		
	Address			
	HourRate	Rate / Hour		
	GroupNo	Duty Group		
	Privilege	0 : User 1 : Enroller 2 : Admin 3 : Supervisor		
	Username	---		
	CardNo	Card No.		
	WebAble	Web Punch 1 : Enable 0 : Disable		1, 0
	Mobile_ID	Mobile ID		
	MobileAble	Mobile Check In 1 : Enable 0 : Disable		1, 0
	CreateDate	---		---
	LastUpdate			
	SuspendDate			
	LastSignIn			
	IssueDate	Issued		---
	ExpireDate	Expired		
	Remark	---		
	TimeZone	Time Zone		
	DST	1 : Enable 0 : Disable		1, 0
	UserType	---		Operator, Admin, SystemAdmin, User
	Organization StructureID	Organization Structure ID		6487
	Organization Structure	Organization Structure		Sales & Marketing

- **Sample return message:**

- i. **Success**

```
{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "UsersObj":[
      {
        "Company_ID":"387",
        "User_ID":"92",
        "Employee_ID":"","
        "Name":"FAIZ SHU IZHAN - AC900",
        "Branch":"Malaysia",
        "Department":"Technical Support",
        "Section":"","
        "SSN":"","
        "ID":"","
        "Phone":"","
        "Email":"","
        "Address":"","
        "HourRate":"","
        "GroupNo":"88",
        "Privilege":"0",
        "Username":"","
        "CardNo":"0",
        "WebAble":"0",
        "Mobile_ID":"","
        "MobileAble":"0",
        "CreateDate":"13/9/2012 12:21:32 PM",
        "LastUpdate":"23/4/2013 4:20:15 PM",
        "SuspendDate":"","
        "LastSignIn":"","
        "IssueDate":"21/9/2012 12:00:00 AM",
        "ExpireDate":"","
        "Remark":"","
        "Timezone":"","
        "DST":"0",
        "UserType":"User",
        "OrganizationStructureID":"6487",
        "OrganizationStructure":"Sales & Marketing"
      }
    ]
  }
}
```

- ii. **Fail**

```
{"ErrorMessage":"Invalid parameter","Result":{"Status":"Fail","UsersObj":""}}
```

# GetUserInfoByEmail

- **Description:** To get user info by Company ID and User Email
- **Param:** CompanyID, Email

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required
Email	Email			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Security token is not valid 2. Invalid parameter 3. User not found 4. No user license is available
Result	Status	---	Success, Fail
	Company_ID	Company ID	---
	User_ID	User ID	
	Employee_ID	Employee No.	
	Name	Employee Name	
	Branch	---	
	Department		
	Section		
	SSN	Social Security No.	
	ID	ID No.	
	Phone	Telephone No.	
	Email	---	
	Address	---	
	HourRate	Rate / Hour	
	GroupNo	Duty Group	
	Privilege	0 : User 1 : Enroller 2 : Admin 3 : Supervisor	---
	Username	---	
	CardNo	Card No.	
	WebAble	Web Punch 1 : Enable 0 : Disable	1, 0
	Mobile_ID	Mobile ID	

Type	Possible variable	Description	Possible value
Result	MobileAble	Mobile Check In 1 : Enable 0 : Disable	1, 0
	CreateDate	---	---
	LastUpdate		
	SuspendDate		
	LastSignIn		
	IssueDate	Issued	---
	ExpireDate	Expired	
	Remark	---	
	TimeZone	Time Zone	
	DST	1 : Enable 0 : Disable	1, 0
	UserType	---	Operator, Admin, SystemAdmin, User
	Organization StructureID	Organization Structure ID	6487
	Organization Structure	Organization Structure	Sales & Marketing

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "UserInfoObj":[
      {
        "Company_ID":"387",
        "User_ID":"92",
        "Employee_ID":"","
        "Name":"FAIZ SHU IZHAN - AC900",
        "Branch":"Malaysia",
        "Department":"Technical Support",
        "Section":"","
        "SSN":"","
        "ID":"","
        "Phone":"","
        "Email":"","
        "Address":"","
        "HourRate":"","
        "GroupNo":"88",
        "Privilege":"0",
        "Username":"","
        "CardNo":"0",
        "WebAble":"0",
        "Mobile_ID":"","
```

```

    "MobileAble":"0",
    "CreateDate":"13/9/2012 12:21:32 PM",
    "LastUpdate":"23/4/2013 4:20:15 PM",
    "SuspendDate":"",
    "LastSignIn":"",
    "IssueDate":"21/9/2012 12:00:00 AM",
    "ExpireDate":"",
    "Remark":"",
    "Timezone":"",
    "DST":"0",
    "UserType":"User",
    "OrganizationStructureID":"6487",
    "OrganizationStructure":"Sales & Marketing"
  }
]
}
}
ii. Fail
{"ErrorMessage":"Invalid parameter",
"Result":{"Status":"Fail","UserInfoObj":""}}

```

## GetAvailableLicense

- **Description:** To get company license remaining unit and details
- **Param:** CompanyID
- **Param Description:**

Param	Description	Data Type	Size	Remark
CompanyID	---	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function. Affected database and table name will appended at the front of be error message and separated by colon.	1. Security token is not valid 2. Invalid parameter
Result	Status	---	Success, Fail
	Type	---	---
	Unit		
	ExpiryDate		
	Remaining LicenseUnit		

- **Sample return message:**

- i. Success

```

{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "LicenseObj": [
      {
        "Type": "User",
        "Unit": "550",
        "ExpiryDate": "2014-12-07 00:00:00",
        "RemainingLicenseUnit": "401"
      },
      {
        "Type": "LoginUser",
        "Unit": "570",
        "ExpiryDate": "2014-12-07 00:00:00",
        "RemainingLicenseUnit": "557"
      },
      {
        "Type": "Terminal",
        "Unit": "20",
        "ExpiryDate": "2014-12-07 00:00:00",
        "RemainingLicenseUnit": "19"
      }
    ]
  }
}

```

- ii. Fail

```

{"ErrorMessage": "Invalid parameter",
"Result": {"Status": "Fail", "LicenseObj": ""}}

```

## GetTerminalUserInfo

- **Description:** Get company terminal users info by serial number
- **Param:** CompanyID, SerialNo
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required
SerialNo	SerialNo			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid

Type	Possible variable	Description	Possible value
Result	Status	—	Success, Fail
	Terminal_ID	Terminal ID	—
	Terminal_SN	Serial No	
	TerminalDesc	Description	
	Terminal_Group	Terminal Group	
	Model	Model	
	IP	—	
	Port		
	DST		
	name	Username	
	cardnumber	Card No.	
	timezone	Time Zone	
	password	Terminal User Password	
privilege	0 : User 1 : Enroller 2 : Admin 3 : Supervisor		

- **Sample return message:**

- i. Success

```

{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "TerminalUserInfoObj": [
      {
        "Terminal_ID": "216",
        "Terminal_SN": "3205501",
        "Terminal_Desc": "216",
        "Terminal_Group": "1",
        "Model": "Kadex",
        "IP": "192.168.1.201",
        "Port": "4370",
        "DST": "0",
        "name": "",
        "cardnumber": "0000000000",
        "timezone": "0000000000000000",
        "password": "",
        "privilege": ""
      }
    ]
  }
}

```

- ii. Fail

```

{"ErrorMessage": "Invalid parameter",
"Result": {"Status": "Fail", "TerminalUserInfoObj": ""}}

```

# GetAllTerminalUserInfo

- **Description:** Get all terminal users info from the same company
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status	---	Success, Fail
	Terminal_ID	Terminal ID	---
	Terminal_SN	Serial No	
	TerminalDesc	Description	
	Terminal_Group	Terminal Group	
	Model	Model	
	IP	---	
	Port		
	DST		
	name		
	cardnumber	Card No.	
	timezone	Time Zone	
	password	Terminal User Password	
privilege	0 : User 1 : Enroller 2 : Admin 3 : Supervisor		

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AllTerminalUserInfoObj": [
      {
        "Terminal_ID": "219",
```



```

        "Terminal_SN": "3102417",
        "TerminalDesc": "219",
        "Terminal_Group": "1",
        "Model": "Kadex",
        "IP": "192.168.1.201",
        "Port": "4370",
        "DST": "0",
        "name": "",
        "cardnumber": "0000000000",
        "timezone": "0000000000000000",
        "password": "",
        "privilege": ""
    }
}
}
}
ii. Fail
{"ErrorMessage": "Invalid parameter",
 "Result": {"Status": "Fail", " AllTerminalUserInfoObj ": ""}}

```

## GetLog

- **Description:** Get company user clocking time details
- **Param:** CompanyID, UserID, CheckTimeFrom, CheckTimeTo, RecordShowFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required
UserID	User ID			
CheckTimeFrom	CheckTimeFrom is the start clocking date	Varchar	yyyy-MM-dd	Required
CheckTimeTo	CheckTimeTo is the end of clocking date  Maximum 1 month period between CheckTimeFrom and CheckTimeTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number  Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000.  Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status	---	Success, Fail
	checktime	Clocking Time	24/7/2013 1:56:26 PM
	checktype	Clocking Type 0 : Check-In 1 : Check Out 2 : Break Out 3 : Resume In 4 : Overtime-In 5 : Overtime-Out	0, 1, 2, 3, 4, 5
	verifycode	0 : Password 1 : Fingerprint 2 : Card 15 : Face	0, 1, 2, 15
	serialno	Serial No.	3205501

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "LogObj": [
      {
        "checktime": "5/8/2013 12:06:32 PM",
        "checktype": "255",
        "verifycode": "1",
        "serialNo": "3205501"
      }
    ]
  }
}
```

- ii. Fail

```
{"ErrorMessage": "Invalid parameter", "Result": {"Status": "Fail", "LogObj": ""}}
```

# GetAllLog

- **Description:** Get company all users clocking time details
- **Param:** CompanyID, CheckTimeFrom, CheckTimeTo, RecordShowFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required
CheckTimeFrom	Maximum 1 month period	Varchar	yyyy-MM-dd	Required
CheckTimeTo				
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status	---	Success, Fail
	checktime	Clocking Time	24/7/2013 1:56:26 PM
	checktype	Clocking Type 0 : Check-In 1 : Check Out 2 : Break Out 3 : Resume In 4 : Overtime-In 5 : Overtime-Out	0, 1, 2, 3, 4, 5
	verifycode	0 : Password 1 : Fingerprint 2 : Card 15 : Face	0, 1, 2, 15
	serialno	Serial No.	3205501

- **Sample return message:**

- i. Success

```

{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "AllLogsObj":[
      {
        "User_ID":"92",
        "checktime":"5/8/2013 12:06:32 PM",
        "checktype":"0",
        "verifycode":"1",
        "serialNo":"3205501"
      }
    ]
  }
}

```

- ii. Fail

```

{"ErrorMessage":"Invalid parameter",
"Result":{"Status":"Fail","AllLogsObj":""}}

```

## GetTerminalInfo

- **Description:** Get company terminal info
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	BigInt	BigInt (20)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status	---	Success, Fail
	serialNo	Serial No.	---
	description	Description	
	lastactivity	Last Connection	24/9/2013 7:06:35 AM
	created_time	---	
fwversion	Firmware	Ver 6.60 Nov 15 2011	

Type	Possible variable	Description	Possible value
Result	fpcount	Fingerprint	
	transactioncount	---	
	usercount		
	maxfingerprint		
	maxattlogcount		
	devicename	Model	R2
	volume	---	
	dtfmt		
	ipaddress		
	tzadj		
ftfpversion			

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "TerminalInfoObj": [
      {
        "serialno": "3102417",
        "description": "",
        "lastactivity": "24/9/2013 7:06:35 AM",
        "created_time": "10/7/2013 2:04:58 PM",
        "fwversion": "Ver 6.60 Nov 15 2011",
        "fpcount": "2",
        "transactioncount": "175",
        "usercount": "72",
        "maxfingerprint": "100",
        "maxattlogcount": "20",
        "devicename": "TA100C",
        "volume": "10",
        "dtfmt": "0",
        "ipaddress": "192.168.1.91",
        "tzadj": "8",
        "ftfpversion": "10"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "TerminalInfoObj": ""
  }
}
```

# GetApiLimit

- **Description:** Get company webservice Api limit available of the day
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	BigInt	BigInt (20)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status	---	Success, Fail
	ApiLimit		9794

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "ApiLimitObj": {
      "ApiLimit": "9794",
      "ErrorMessage": ""
    }
  }
}
```

ii. Fail

```
{"ErrorMessage": "Invalid parameter",
"Result": {"Status": "Fail", " ApiLimitObj ": ""}}
```

# GetFingerprint

- **Description:** Get user fingerprint data by User ID
- **Param:** CompanyID, UserID, AlgoVer
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
UserID	User ID			
AlgoVer	Algorithm version 9 or 10			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status	---	Success, Fail
	Fp0		---
	Fp1		
	Fp2		
	Fp3		
	Fp4		
	Fp5		
	Fp6		
	Fp7		
	Fp8		
Fp9			

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "FingerprintObj": {
      "Fp0": "TxdTUzlxAAAGVFYECAUHCc7QAAAeVWkBAAAhhvTuVQTABkOLwDc
AMtY1QAbAJgOaQAbvJAN+AAAdAGQOAVUcAL4OigDIAAtaJwAhAMMM+QAJVO
00LAArABYJIFQ4AMUKjQD/AIzbcgE7ACsObgBGVlwPEgBDAlYKHfRCAMMKkAC
GABbb9gBIAKoNhQBIVIOImQBOAEMPMIROANML6wCUACFZdgBZAGcPwgFbVL
```

8N9QBeAG0NZ1RgAO4PwCnANZaGwBjAMUORgBwVewNBwF8AGoPeISDAEUNE  
 ABCAM1ajQCNAADMNuACWVD0MBAGbAOgP+ISfAK8PigBkAD5aDAGmAK8PugCtV  
 DsNRACsAIMPpV55ADUOfgB5ADFZ1QC/AC4PygDEVdWLDgHCAIMNGFTEAMALGA  
 ANAD1ZqWdIALUOlGDLVDsPvgDOAH0OkFTRALcOpwAWADra/gDUALANTQDeVLy  
 PsgDeAEHORITHAEAP7AAAsCpa9wDyAKwO+QDzVDwPnwD2AGsPBFUBAb0MzADE  
 Aa5bkQAEATsO3gAOVTgOhgAQAWAPoLQRAaEOdwDUARBb2gADATON6QAYVbgN  
 BQEEAXsMr1QgATANKQDjATZZyAaOAT4PMAAsVbgn/QAqAQ8NGFQtAbkNCgHpA  
 VZafQAYARwNXgA1VYUMaQA2AVMNilQ2ARQNpwD9AT5YIAA5AakMFip/1rqNFA/  
 R4Tz9f9bv+WoK2XqrTRR4OQKeWlJgBz4wBIUsY9fVw57qeh+8XaBRjwRt+WRP9EK  
 HoSPQnUCiGNG4t/nh3u9YtBjptWQq0e3hYPYltgnaA+YKnVNDzHJqRkKCL09AYBsG  
 CGBPHFDx0oHDh+qUKbfMDUIQTQXyBgK9oiy5LHP5QQRmsF1DMfIDV7Z0CQlOs  
 WquILa+J/IPsvqN/BKL0iQigHntHk/AWhH4J1Ph/XFQVggmO/zKTW6zk8ZH9Afj4  
 CG9RyYJ5gBqAAyYbjVZ8BrQANBSj9c9BkARFrKQRMbANxaw2mi6cNulCn14QHdfw  
 ALuAvy/Le7d8XAelfDGumJr5m+qa6YZPON+DNH7cA5r8EtN8gNn9qf8z2gmoJAVV  
 BUGK8ADx0LgGGH9xgBB8qzowhx4EtQC7gMDQbISp/X0CTAUxN5sHdlm1f7  
 Nwctf48aL8Df1sBqhSDA+u/J59rBEEVGeQBmwwebnt+v1AsAoGHPQCog3BcWJDe  
 BCqJ0HGfo2P8aXcm/H+Cq1VYh/KUFIrsAYfXHPT1cCkFwJGr+Pt6iHq8e25JK1X  
 PELlkyPJo/cs9ORK8f5EMcYv6R6gBulvllHczd1zciWaYDE+0cN8C4H3uuhqCpJD/  
 rGzf2LcNCgwniqeoeanz0f5xLAA0ux+FQIghAEEExqTCQDHAAdvAxpQtwAMA5  
 wLb/gJU1wMeXAMafgUQqwIAewYA/8MAb1N7gMYEACHPQ3BQAalKEDEEx  
 BQJGgHAMAWIAcv+VEBYrf3/kvGAFIMccAEANge5UoQVDwh5/5AQDv  
 8xak/VG0RAI3kDMAqL1NSwME6wAD9dTHAKAUAOexXJf8BADOKyDyDg  
 YqOXRcwsHBBJBpqAG7DMwznCxqk9BAENPjf/CQb8QZaJxMGGYgCUFhf  
 AKP9Ewpr/AlQORkbAwAXFFUBpMhcAQEnaOP7GqP41/MD+/zrB+ZTBwc  
 BbEgB5SoqXmoB0av570gA1H8j++kE4MwX8xqp5axkAOEwJ/Pof/P7/QStKoc  
 ExUQEtJ0Y3E8WVVvtjCw8OJwXA6e8YyCwCDURwrOv/GOAYA6lUrYyVlBiBz4z  
 BhAPF/FppxAyBAFwwB/35lBIAy1/n/Tgk+GrBVlDBBAdJzIbWBgCGdiQ408  
 EFVlV8PcEIAE+EL6v+/sBBdgC9hUqVw1LCbMKDwQAj303EwA8Ai1Qt+  
 RTDd8HBwvs4CgYvIUNdIMPBwQCGWdtoAwEBnvHBD1QHokPDP8A7wg9  
 UbaRDZ3vE1AC08LzCg8XDxgHBxCxsBACOpTSAwbspjfAAwCzbTfGxw  
 FBr0zCVTRdxYQFAEavQz3GAlbkNsAJAHW5hcHHlSHdJGUajXs6VMbfr83eHb  
 WAKvru3jBw8HLANpCnOkEANjCLbYfBofCNMJeBADTzDwFBQCLzjeDyABXh  
 EGAScLB+vYAAAAAaaaaa",  
 "Fp1": "",  
 "Fp2": "",  
 "Fp3": "",  
 "Fp4": "",  
 "Fp5": "",  
 "Fp6": "",  
 "Fp7": "",  
 "Fp8": "",  
 "Fp9": ""}}

ii. Fail

```
{ "ErrorMessage": "Invalid parameter",  
  "Result": { "Status": "Fail", "FingerprintObj": "" } }
```



# GetAuditData

- **Description:** Get audit data
- **Param:** CompanyID, UserID, CheckTimeFrom, CheckTimeTo, RecordStartFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
UserID	Unique ID assigned to company user			
CheckTimeFrom	CheckTimeFrom is the start clocking date	Varchar	yyyy-MM-dd	Required
CheckTimeTo	CheckTimeTo is the end of clocking date Maximum 1 month period between CheckTimeFrom and CheckTimeTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status	---	Success, Fail
	Terminal_ID	Terminal ID	1
	Terminal_SN	Serial No.	7307734
	Email	---	---
	User_ID	User ID	92
	CheckTime	Clocking time	24/7/2013 1:56:26 PM
	CheckType	Clocking Type 0 : Check-In 1 : Check Out 2 : Break Out 3 : Resume In 4 : OT-In 5 : OT-Out	0, 1, 2, 3, 4, 5

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AuditDataObj": [
      {
        "Terminal_ID": "15",
        "Terminal_SN": "7307734",
        "Email": "",
        "User_ID": "92",
        "CheckTime": "31/10/2013 12:00:02 PM",
        "CheckType": "0"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "AuditDataObj": ""
  }
}
```

## GetAttendance

- **Description:** Get attendance data
- **Param:** CompanyID, UserID, CheckTimeFrom, CheckTimeTo, RecordStartFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
UserID	Unique ID assigned to company user	Varchar	Varchar(255)	Required
CheckTimeFrom	CheckTimeFrom is the start clocking date	Varchar	yyyy-MM-dd	Required
CheckTimeTo	CheckTimeTo is the end of clocking date Maximum 1 month period between CheckTimeFrom and CheckTimeTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	Date	Attendance date (DMY, MDY, YMD format)	26/02/2015 02/26/2015 2015/02/26
	User_ID	User ID	92
	Name	Name	Nur Hazwani
	DayType	Day type	Workday
	ScheNo	Schedule no. (0 for open schedule)	1
	In	In clocking time (12, 24 format)	09:00 AM, 14:00
	Out	Out clocking time (12, 24 format)	09:00 AM, 14:00
	Out1	Out #1 clocking time (12, 24 format)	09:00 AM, 14:00
	In1	In #1 clocking time (12, 24 format)	09:00 AM, 14:00
	Out2	Out #2 clocking time (12, 24 format)	09:00 AM, 14:00
	In2	In #2 clocking time (12, 24 format)	09:00 AM, 14:00
	Out3	Out #3 clocking time (12, 24 format)	09:00 AM, 14:00
	In3	In #3 clocking time (12, 24 format)	09:00 AM, 14:00
	Out4	Out #4 clocking time (12, 24 format)	09:00 AM, 14:00
	In4	In #4 clocking time (12, 24 format)	09:00 AM, 14:00
	Out5	Out #5 clocking time (12, 24 format)	09:00 AM, 14:00
	In5	In #5 clocking time (12, 24 format)	09:00 AM, 14:00
	WorkHour	Work hour (HM, HH format)	8.00
	OTHour	Overtime hour (HM, HH format)	1.31
LeaveHour	Leave taken hour deduct from bank hour (HM, HH format)	1.11	
LeaveType	Leave type	"Annual Leave" "Absent" "Annual" "Annual Leave" "Compassionate Leave" "EID Holiday" "Emergency" "Emergency Leave" "Emergency Leave (AM)" "Emergency Leave (PM)" "Half Day (AM)" "Halfday (PM)" "Holiday" "Hospitalization" "Long Service Leave" "Marriage" "Maternity Leave" "Medical Leave" "Out Of Office" "Parternity" "Paternity Leave" "Public Holiday" "Sick" "Study Leave" "Unpaid" "Vacation"	

Type	Possible variable	Description	Possible value
Result	Remark	Remark/reason/Comment	Out of office
	WorkCode	Word Codes used when reporting attendance	Repair Machine
	DiffOTHour	Differential OT hour	1.00

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AttendanceObj": [
      {
        "Date": "23/02/2015",
        "User_ID": "1",
        "Name": "NurHazwani",
        "DayType": "Workday",
        "ScheNo": "1",
        "In": "09:00 AM",
        "Out": "08:01 PM",
        "Out1": "",
        "In1": "",
        "Out2": "12:00 PM",
        "In2": "01:00 PM",
        "Out3": "",
        "In3": "",
        "Out4": "",
        "In4": "",
        "Out5": "",
        "In5": "",
        "WorkHour": "8.000",
        "OTHour": "1.310",
        "LeaveHour": "1.110",
        "LeaveType": "",
        "Remark": "",
        "WorkCode": "",
        "DiffOTHour": "1.00"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "AttendanceObj": ""
  }
}
```

# GetAllAttendance

- **Description:** Get all attendance data
- **Param:** CompanyID, CheckTimeFrom, CheckTimeTo, RecordStartFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
CheckTimeFrom	CheckTimeFrom is the start clocking date	Varchar	yyyy-MM-dd	Required
CheckTimeTo	CheckTimeTo is the end of clocking date Maximum 1 month period between CheckTimeFrom and CheckTimeTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	Date	Attendance date (DMY, MDY, YMD format)	26/02/2015 02/26/2015 2015/02/26
	User_ID	User ID	92
	Name	Name	Nur Hazwani
	DayType	Day type	Workday
	ScheNo	Schedule no. (0 for open schedule)	1
	In	In clocking time (12, 24 format)	09:00 AM, 14:00
	Out	Out clocking time (12, 24 format)	09:00 AM, 14:00
	Out1	Out #1 clocking time (12, 24 format)	09:00 AM, 14:00
In1	In #1 clocking time (12, 24 format)	09:00 AM, 14:00	

- Return:

Type	Possible variable	Description	Possible value
	Out2	Out #2 clocking time (12, 24 format)	09:00 AM, 14:00
	In2	In #2 clocking time (12, 24 format)	09:00 AM, 14:00
	Out3	Out #3 clocking time (12, 24 format)	09:00 AM, 14:00
	In3	In #3 clocking time (12, 24 format)	09:00 AM, 14:00
	Out4	Out #4 clocking time (12, 24 format)	09:00 AM, 14:00
	In4	In #4 clocking time (12, 24 format)	09:00 AM, 14:00
	Out5	Out #5 clocking time (12, 24 format)	09:00 AM, 14:00
	In5	In #5 clocking time (12, 24 format)	09:00 AM, 14:00
	WorkHour	Work hour (HM, HH format)	8.00
	OTHour	Overtime hour (HM, HH format)	1.31
	LeaveHour	Leave taken hour deduct from bank hour (HM, HH format)	1.11
	LeaveType	Leave type	"Annual Leave" "Absent" "Annual" "Annual Leave" "Compassionate Leave" "EID Holiday" "Emergency" "Emergency Leave" "Emergency Leave (AM)" "Emergency Leave (PM)" "Half Day (AM)" "Halfday (PM)" "Holiday" "Hospitalization" "Long Service Leave" "Marriage" "Maternity Leave" "Medical Leave" "Out Of Office" "Parternity" "Paternity Leave" "Public Holiday" "Sick" "Study Leave" "Unpaid" "Vacation"
	Remark	Remark/reason/Comment	Out of office
	WorkCode	Word Codes used when reporting attendance	Repair Machine
	DiffOTHour	Differential OT hour	1.00

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AllAttendanceObj": [
      {
        "Date": "23/02/2015",
        "User_ID": "1",
        "Name": "NurHazwani",
        "DayType": "Workday",
        "ScheNo": "1",
        "In": "09:00 AM",
        "Out": "08:01 PM",
        "Out1": "",
        "In1": "",
        "Out2": "12:00 PM",
        "In2": "01:00 PM",
        "Out3": "",
        "In3": "",
        "Out4": "",
        "In4": "",
        "Out5": "",
        "In5": "",
        "WorkHour": "8.000",
        "OTHour": "1.310",
        "LeaveHour": "1.110",
        "LeaveType": "",
        "Remark": "",
        "WorkCode": "",
        "DiffOTHour": "1.00"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "AllAttendanceObj": [ ]
  }
}
```

# GetLeaveType

- **Description:** Get leave type by Company ID
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Auto_No	Auto increment number	0 1 2 3
	LeaveType	Leave type	"Absent" "Annual Leave" "Emergency Leave" "Messes Leave"
	IsAbsent	Is absent	0 1

- **Sample return message:**

i. Success

```
{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "LeaveTypeObj":[
      {
        "Auto_No":"2739",
        "LeaveType":"Absent",
        "IsAbsent":"1"
      },
      {
        "Auto_No":"2862",
        "LeaveType":"Annual Leave",
        "IsAbsent":"0"
      }
    ]
  }
}
```



```

ii. Fail
{
  "ErrorMessage":"Invalid parameter",
  "Result":{
    "Status":"Fail",
    "LeaveTypeObj":""
  }
}

```

## GetUserLeave

- **Description:** GetUserLeave
- **Param:** CompanyID, UserID, CheckTimeFrom, CheckTimeTo, RecordShowFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
UserID	User ID	Varchar	Varchar(255)	Required
CheckTimeFrom	CheckTimeFrom is the start clocking date			
CheckTimeTo	CheckTimeTo is the end of clocking date Maximum 1 year period between CheckTimeFrom and CheckTimeTo	Varchar	yyyy-MM-dd	Required
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.			
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.	Varchar	Varchar(255)	Optional

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Date	Attendance date (DMY, MDY, YMD format)	2015-08-17
	User_ID	User ID	1
	LeaveType	Leave type	"Absent" "Annual Leave" "Emergency Leave" "Messes Leave"

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "UserLeaveObj":[
      {
        "Date":"2015-08-17",
        "User_ID":"1",
        "LeaveType":"Annual Leave"
      },
      {
        "Date":"2015-09-05",
        "User_ID":"1",
        "LeaveType":"Annual Leave"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage":"Invalid parameter",
  "Result":{
    "Status":"Fail",
    "UserLeaveObj":""
  }
}
```

# SetUserLeave

- **Description:** Add or update user leave
- **Param:** CompanyID, UserID, DateFrom, DateTo, LeaveType
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
UserID	User ID			
DateFrom	DateFrom is the leave start date DateTo is the leave end date	Varchar	yyyy-MM-dd	
DateTo	Maximum 1 month period between DateFrom and DateTo			
LeaveType	Leave Type	Varchar	Varchar(255)	

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
  }
}
```

# AddLeaveType

- **Description:** Add leave type
- **Param:** CompanyID, LeaveType
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
LeaveType	Leave Type			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
  }
}
```

# UpdateLeaveType

- **Description:** Update leave type
- **Param:** CompanyID, AutoNo, LeaveType
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
AutoNo	Auto No			
LeaveType	Leave Type			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
  }
}
```

# AddUser

- **Description:** Add user
- **Param:** CompanyID, Name, Alias , Gender, DOB, Nationality, Race, NationalID, Religion, HomeAddress, MobileContact, Email, EmploymentID, Designation, SocialSecurityID, JoinedDate, Branch, Department, Section, GroupDutyRoster, RateHour, TimeZone, Remark, TimeTecUserID, TimeTecAccountIssuanceDate, AccExpiryDate, LiveChat
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
Name	Name			
Alias	Alias	Varchar	Varchar(255)	Optional
Gender	Gender			
DOB	Date of Birth			
Nationality	Nationality			
Race	Race			
NationalID	National ID			
Religion	Religion			
HomeAddress	Home Address			
MobileContact	Mobile Contact			
Email	Personal Email			
EmploymentID	Employment ID			
Designation	Designation			
SocialSecurityID	Social Security ID			
JoinedDate	Joined Date			
Branch	Branch			
Department	Department			
Section	Section			
GroupDutyRoster	Group Duty Roster			
RateHour	Rate hour			
TimeZone	Time Zone			
Remark	Remark			
TimeTecUserID	TimeTec User ID	Varchar	Varchar(255)	Required
TimeTecAccountIssuanceDate	TimeTec Account Issuance Date	Varchar	Varchar(255)	Optional
AccExpiryDate	Account Expiry Date	Varchar	Varchar(255)	Optional
Live Chat	Live Chat			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

- i. Success

```
{  
  "ErrorMessage": "",  
  "Result": {  
    "Status": "Success",  
  }  
}
```

- ii. Fail

```
{  
  "ErrorMessage": "Invalid parameter",  
  "Result": {  
    "Status": "Fail",  
  }  
}
```

# UpdateUser

- **Description:** Update user records
- **Param:** CompanyID, TimeTecUserID, Name, Alias , Gender, DOB, Nationality, Race, NationalID, Religion, HomeAddress, MobileContact, Email, EmploymentID, Designation, SocialSecurityID, JoinedDate, Branch, Department, Section, GroupDutyRoster, RateHour, TimeZone, Remark, TimeTecAccountIssuanceDate, AccExpiryDate, LiveChat
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
TimeTecUserID	TimeTec User ID			
Name	Name			
Alias	Alias	Varchar	Varchar(255)	Optional
Gender	Gender			
DOB	Date of Birth			
Nationality	Nationality			
Race	Race			
NationalID	National ID			
Religion	Religion			
HomeAddress	Home Address			
MobileContact	Mobile Contact			
Email	Personal Email			
EmploymentID	Employment ID			
Designation	Designation			
SocialSecurityID	Social Security ID			
JoinedDate	Joined Date			
Branch	Branch			
Department	Department			
Section	Section			
GroupDutyRoster	Group Duty Roster			
RateHour	Rate hour			
TimeZone	Time Zone			
Remark	Remark			
TimeTecAccountIssuanceDate	TimeTec Account Issuance Date	Varchar	Varchar(255)	Required
AccExpiryDate	Account Expiry Date	Varchar	Varchar(255)	Optional
LiveChat	Live Chat			



- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

- i. Success

```
{  
  "ErrorMessage": "",  
  "Result": {  
    "Status": "Success",  
  }  
}
```

- ii. Fail

```
{  
  "ErrorMessage": "Invalid parameter",  
  "Result": {  
    "Status": "Fail",  
  }  
}
```

# GetSchedule

- **Description:** Get schedule data by schedule ID
- **Param:** CompanyID, ScheNo
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
ScheNo	Schedule Number			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	Auto_No	Schedule Unique ID	34427
	Weekday		Wednesday
	Company_ID		351
	ScheNo		1
	ScheDesc		Shift 1
	ScheType		1
	Dayofweek		0
	DayType		Workday, Restday
	In	In clocking time (12, 24 format)	09:00 AM, 14:00
	Out1	Out #1 clocking time (12, 24 format)	09:00 AM, 14:00
	In1	In #1 clocking time (12, 24 format)	09:00 AM, 14:00
	Out2	Out #2 clocking time (12, 24 format)	09:00 AM, 14:00
	In2	In #2 clocking time (12, 24 format)	09:00 AM, 14:00
	Out3	Out #3 clocking time (12, 24 format)	09:00 AM, 14:00
	In3	In #3 clocking time (12, 24 format)	09:00 AM, 14:00
	Out4	Out #4 clocking time (12, 24 format)	09:00 AM, 14:00
	In4	In #4 clocking time (12, 24 format)	09:00 AM, 14:00
	Out5	Out #5 clocking time (12, 24 format)	09:00 AM, 14:00
	In5	In #5 clocking time (12, 24 format)	09:00 AM, 14:00
Out	Out clocking time (12, 24 format)	09:00 AM, 14:00	
InOT	Overtime in clocking time (12, 24 format)	09:00 AM, 14:00	
OutOT	Overtime out clocking time (12, 24 format)	09:00 AM, 14:00	
In_min	In time round to nearest minutes	10	

Type	Possible variable	Description	Possible value
Result	Out1_min	Out #1 time round to nearest minutes	10
	In1_min	In #1 time round to nearest minutes	10
	Out2_min	Out #2 time round to nearest minutes	10
	In2_min	In #2 time round to nearest minutes	10
	Out3_min	Out #3 time round to nearest minutes	10
	In3_min	In #3 time round to nearest minutes	10
	Out4_min	Out #4 time round to nearest minutes	10
	In4_min	In #4 time round to nearest minutes	10
	Out5_min	Out #5 time round to nearest minutes	10
	In5_min	In #5 time round to nearest minutes	10
	Out_min	Out time round to nearest minutes	10
	InOT_min	Overtime in round to nearest minutes	10
	OutOT_min	Overtime out round to nearest minutes	10
	In_rdg	In rounding option	10
	Out1_rdg	Out #1 rounding option	0, 1, 2
	In1_rdg	In #1 rounding option	0, 1, 2
	Out2_rdg	Out #2 rounding option	0, 1, 2
	In2_rdg	In #2 rounding option	0, 1, 2
	Out3_rdg	Out #3 rounding option	0, 1, 2
	In3_rdg	In #3 rounding option	0, 1, 2
	Out4_rdg	Out #4 rounding option	0, 1, 2
	In4_rdg	In #4 rounding option	0, 1, 2
	Out5_rdg	Out #5 rounding option	0, 1, 2
	In5_rdg	In #5 rounding option	0, 1, 2
	Out_rdg	Out rounding option	0, 1, 2
	InOT_rdg	In #5 rounding option	0, 1, 2
	OutOT_rdg	Out rounding option	0, 1, 2
	FiLoOnly	First In Last Out jobcost rounding	1,0
	In_g	In grace minutes	10
	Out1_g	Out #1 grace minutes	10
	In1_g	In #1 grace minutes	10
	Out2_g	Out #2 grace minutes	10
	In2_g	In #2 grace minutes	10
	Out3_g	Out #3 grace minutes	10
	In3_g	In #3 grace minutes	10
	Out4_g	Out #4 grace minutes	10
	In4_g	In #4 grace minutes	10

Type	Possible variable	Description	Possible value
Result	Out5_g	Out #5 grace minutes	10
	In5_g	In #5 grace minutes	10
	Out_g	Out grace minutes	10
	InOT_g	Overtime in grace minutes	10
	OutOT_g	Overtime out grace minutes	10
	Break1_NoWork	Break #1 exclude work	1,0
	Break2_NoWork	Break #2 exclude work	1,0
	Break3_NoWork	Break #3 exclude work	1,0
	Break4_NoWork	Break #4 exclude work	1,0
	Break5_NoWork	Break #5 exclude work	1,0
	Break1_Used	Break #1 pair in used flag	1,0
	Break2_Used	Break #2 pair in used flag	1,0
	Break3_Used	Break #3 pair in used flag	1,0
	Break4_Used	Break #4 pair in used flag	1,0
	Break5_Used	Break #5 pair in used flag	1,0
	OT_Used	OT pair in used flag	1,0
	Break1_Flexi	Break #1 flexible time	10
	Break2_Flexi	Break #2 flexible time	
	Break3_Flexi	Break #3 flexible time	
	Break4_Flexi	Break #4 flexible time	
	Break5_Flexi	Break #5 flexible time	
	In_r	In clocking overwrite flag	1,0
	Out1_r	Out #1 clocking overwrite flag	1,0
	In1_r	In #1 clocking overwrite flag	1,0
	Out2_r	Out #2 clocking overwrite flag	1,0
	In2_r	In #2 clocking overwrite flag	1,0
	Out3_r	Out #3 clocking overwrite flag	1,0
	In3_r	In #3 clocking overwrite flag	1,0
	Out4_r	Out #4 clocking overwrite flag	1,0
	In4_r	In #4 clocking overwrite flag	1,0
	Out5_r	Out #5 clocking overwrite flag	1,0
	In5_r	In #5 clocking overwrite flag	1,0
	Out_r	Out clocking overwrite flag	1,0
	InOT_r	Overtime in clocking overwrite flag	1,0
	OutOT_r	Overtime out clocking overwrite flag	1,0
	RotateShift	Rotational shift qualify starts minute	10
In_	In clocking limit (12, 24 format)	09:00 AM, 14:00	

Type	Possible variable	Description	Possible value
Result	Out1_	Out #1 clocking limit (12, 24 format)	09:00 AM, 14:00
	In1_	In #1 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out2_	Out #2 clocking limit (12, 24 format)	09:00 AM, 14:00
	In2_	In #2 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out3_	Out #3 clocking limit (12, 24 format)	09:00 AM, 14:00
	In3_	In #3 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out4_	Out #4 clocking limit (12, 24 format)	09:00 AM, 14:00
	In4_	In #4 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out5_	Out #5 clocking limit (12, 24 format)	09:00 AM, 14:00
	In5_	In #5 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out_	Out clocking limit (12, 24 format)	09:00 AM, 14:00
	InOT_	Overtime in clocking limit (12, 24 format)	09:00 AM, 14:00
	OutOT_	Overtime out clocking limit (12, 24 format)	09:00 AM, 14:00
	IOAble	Attendance I/O slot from user defined In/Out	0,1
	JobAble	Jobcost enabled schedule	0,1
	SameDay	Same day clocking within 1st clocking hours (24 format)	16.000
	NextDay	Separation hours between an out clocking and subsequent in clocking to qualify for next day (24 format)	16.000
	LastTime	Separation hours between an out clocking and subsequent in clocking to qualify for next day	16.000
	SameSlot	Same clocking slot time span	60
	RoundWork	Work hours either round-up(+) or round-down(-)	56
	Work_rdg	Work hour rounding option	0,1,2,3,4
	RoundOT	Overtime hours either round-up(+) or round-down(-)	56
	OT_rdg	Overtime hour rounding option	0,1,2,3
	RoundFrom1	First rounding time from (24 format)	13:00
	RoundTo1	First rounding time to (24 format)	13:00
	RoundTime1	First rounding time to (24 format)	13:00
	RoundFrom2	First rounding time from (24 format)	13:00
RoundTo2	First rounding time to (24 format)	13:00	
RoundTime2	First rounding time to (24 format)	13:00	
Break_NoWork	Ignore Break Time (TCMSv2 - NoLunch)	0,1	
AddBreak	Auto Add Break Rule when you include lunch/dinner break)	0,1	

Type	Possible variable	Description	Possible value
Result	WorkBreak	Is the break paid	0,1
	MaxBreak	Deduct whole break after time in minutes	15.000
	OTBreak	include lunch/dinner time into overtime hour	0,1
	FullBreak	exclude full lunch/dinner if it is greater then allowed	0,1
	LessBreak	Deduct no. of hours for break time from overtime hour	1.000
	ExceedOT	if overtime exceeded	4.000
	LessWork	Deduct no. of hours for break time from flexi-work hour	1.000
	ExceedWork	if daily total of work exceeds	1.000
	LessPerDay	automatic deduction to apply on total hours exceeds per day	0,1
	PlusWork	Auto Add Time (in hour format)	1.000
	ExceedPlus	if flexi-work surpassed	1.000
	PlusPerDay	automatic addition to apply on total hours exceeds per day	0,1
	MustLess	Do not deduct any lunch time if employee works half day only	0,1
	NoShort	deduct extra lunch/dinner time from working hour	0,1
	FlexiWork	Flexi-work hours before overtime	8.000
	FlexiOT	Differential overtime if total flexi-work hour exceeds workhour of	8.000
	MinOT	Minimum overtime hours qualify	5
	MaxOT	Maximum overtime hours allowed	5
	NoWorkOT	Overtime & double time for restday work	0,1
	EarlyTime	Earlytime for work before start	0,1
DiffOTFrom	Differential rate overtime from time	16:00	
DiffOTTo	Differential rate overtime to time	16:00	
CoverShort	Deduct Work Shortage from OT	0,1	

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "ScheduleObj":[
      {
        "Auto_No":"34427",
        "Weekday":"Wednesday",
        "Company_ID":"351",
        "ScheNo":"1",
        "ScheDesc":"","
        "ScheType":"1",
        "Dayofweek":"0",
        "DayType":"Workday",
        "In":"09:00",
        "Out1":"","
        "In1":"","
        "Out2":"12:30",
        "In2":"13:30",
        "Out3":"15:00",
        "In3":"15:30",
        "Out4":"","
        "In4":"","
        "Out5":"","
        "In5":"","
        "Out":"18:00",
        "InOT":"","
        "OutOT":"","
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        "Out1_min":"0",
        "In1_min":"0",
        "Out2_min":"0",
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        "OutOT_min":"0",
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        "Out1_rdg":"0",
        "In1_rdg":"0",
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        "Out4_rdg":"0",
        "In4_rdg":"0",
        "Out5_rdg":"0",
        "In5_rdg":"0",
        "Out_rdg":"0",
        "InOT_rdg":"0",
```

"OutOT\_rdg": "0",  
"FiLoOnly": "0",  
"In\_g": "0",  
"Out1\_g": "0",  
"In1\_g": "0",  
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"Out2\_r": "0",  
"In2\_r": "0",  
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"Out\_r": "0",  
"InOT\_r": "0",  
"OutOT\_r": "0",  
"RotateShift": "0",  
"In\_": "",  
"Out1\_": "",  
"In1\_": "",  
"Out2\_": "13:00",  
"In2\_": "15:00",  
"Out3\_": "",  
"In3\_": "",  
"Out4\_": "",  
"In4\_": "",  
"Out5\_": "",



```

    "In5_": "",
    "Out_": "",
    "InOT_": "",
    "OutOT_": "",
    "IOAble": "0",
    "JobAble": "0",
    "SameDay": "0.000",
    "NextDay": "0.000",
    "LastTime": "",
    "SameSlot": "0",
    "RoundWork": "0",
    "Work_rdg": "0",
    "RoundOT": "0",
    "OT_rdg": "0",
    "RoundFrom1": "",
    "RoundTo1": "",
    "RoundTime1": "",
    "RoundFrom2": "",
    "RoundTo2": "",
    "RoundTime2": "",
    "Break_NoWork": "0",
    "AddBreak": "0",
    "WorkBreak": "0",
    "MaxBreak": "0.000",
    "OTBreak": "0",
    "FullBreak": "0",
    "LessBreak": "0.000",
    "ExceedOT": "0.000",
    "LessWork": "0.000",
    "ExceedWork": "0.000",
    "LessPerDay": "0",
    "PlusWork": "0.000",
    "ExceedPlus": "0.000",
    "PlusPerDay": "0",
    "MustLess": "0",
    "NoShort": "0",
    "FlexiWork": "0.000",
    "FlexiOT": "0.000",
    "MinOT": "0",
    "MaxOT": "0.000",
    "NoWorkOT": "0",
    "EarlyTime": "0",
    "DiffOTFrom": "",
    "DiffOTTO": "",
    "CoverShort": "0"
  }
}
}

```

ii. Fail

```

{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "ScheduleObj": ""
  }
}

```

# GetAllSchedule

- **Description:** Get company schedule data
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2.Security token is not valid
Result	Status		Success, Fail
	Auto_No	Schedule Unique ID	34427
	Weekday		Wednesday
	Company_ID		351
	ScheNo		1
	ScheDesc		Shift 1
	ScheType		1
	Dayofweek		0
	DayType		Workday, Restday
	In	In clocking time (12, 24 format)	09:00 AM, 14:00
	Out1	Out #1 clocking time (12, 24 format)	09:00 AM, 14:00
	In1	In #1 clocking time (12, 24 format)	09:00 AM, 14:00
	Out2	Out #2 clocking time (12, 24 format)	09:00 AM, 14:00
	In2	In #2 clocking time (12, 24 format)	09:00 AM, 14:00
	Out3	Out #3 clocking time (12, 24 format)	09:00 AM, 14:00
	In3	In #3 clocking time (12, 24 format)	09:00 AM, 14:00
	Out4	Out #4 clocking time (12, 24 format)	09:00 AM, 14:00
	In4	In #4 clocking time (12, 24 format)	09:00 AM, 14:00
	Out5	Out #5 clocking time (12, 24 format)	09:00 AM, 14:00
	In5	In #5 clocking time (12, 24 format)	09:00 AM, 14:00
Out	Out clocking time (12, 24 format)	09:00 AM, 14:00	
InOT	Overtime in clocking time (12, 24 format)	09:00 AM, 14:00	
OutOT	Overtime out clocking time (12, 24 format)	09:00 AM, 14:00	
In_min	In time round to nearest minutes	10	
Out1_min	Out #1 time round to nearest minutes	10	

Type	Possible variable	Description	Possible value
Result	In1_min	In #1 time round to nearest minutes	10
	Out2_min	Out #2 time round to nearest minutes	10
	In2_min	In #2 time round to nearest minutes	10
	Out3_min	Out #3 time round to nearest minutes	10
	In3_min	In #3 time round to nearest minutes	10
	Out4_min	Out #4 time round to nearest minutes	10
	In4_min	In #4 time round to nearest minutes	10
	Out5_min	Out #5 time round to nearest minutes	10
	In5_min	In #5 time round to nearest minutes	10
	Out_min	Out time round to nearest minutes	10
	InOT_min	Overtime in round to nearest minutes	10
	OutOT_min	Overtime out round to nearest minutes	10
	In_rdg	In rounding option	0, 1, 2
	Out1_rdg	Out #1 rounding option	0, 1, 2
	In1_rdg	In #1 rounding option	0, 1, 2
	Out2_rdg	Out #2 rounding option	0, 1, 2
	In2_rdg	In #2 rounding option	0, 1, 2
	Out3_rdg	Out #3 rounding option	0, 1, 2
	In3_rdg	In #3 rounding option	0, 1, 2
	Out4_rdg	Out #4 rounding option	0, 1, 2
	In4_rdg	In #4 rounding option	0, 1, 2
	Out5_rdg	Out #5 rounding option	0, 1, 2
	In5_rdg	In #5 rounding option	0, 1, 2
	Out_rdg	Out rounding option	0, 1, 2
	InOT_rdg	In #5 rounding option	0, 1, 2
	OutOT_rdg	Out rounding option	0, 1, 2
	FilOnly	First In Last Out jobcost rounding	1,0
	In_g	In grace minutes	10
	Out1_g	Out #1 grace minutes	10
	In1_g	In #1 grace minutes	10
	Out2_g	Out #2 grace minutes	10
	In2_g	In #2 grace minutes	10
	Out3_g	Out #3 grace minutes	10
	In3_g	In #3 grace minutes	10
	Out4_g	Out #4 grace minutes	10
	In4_g	In #4 grace minutes	10
	Out5_g	Out #5 grace minutes	10

Type	Possible variable	Description	Possible value
Result	In5_g	In #5 grace minutes	10
	Out_g	Out grace minutes	10
	InOT_g	Overtime in grace minutes	10
	OutOT_g	Overtime out grace minutes	10
	Break1_NoWork	Break #1 exclude work	1,0
	Break2_NoWork	Break #2 exclude work	1,0
	Break3_NoWork	Break #3 exclude work	1,0
	Break4_NoWork	Break #4 exclude work	1,0
	Break5_NoWork	Break #5 exclude work	1,0
	Break1_Used	Break #1 pair in used flag	1,0
	Break2_Used	Break #2 pair in used flag	1,0
	Break3_Used	Break #3 pair in used flag	1,0
	Break4_Used	Break #4 pair in used flag	1,0
	Break5_Used	Break #5 pair in used flag	1,0
	OT_Used	OT pair in used flag	1,0
	Break1_Flexi	Break #1 flexible time	10
	Break2_Flexi	Break #2 flexible time	10
	Break3_Flexi	Break #3 flexible time	10
	Break4_Flexi	Break #4 flexible time	10
	Break5_Flexi	Break #5 flexible time	10
	In_r	In clocking overwrite flag	1,0
	Out1_r	Out #1 clocking overwrite flag	1,0
	In1_r	In #1 clocking overwrite flag	1,0
	Out2_r	Out #2 clocking overwrite flag	1,0
	In2_r	In #2 clocking overwrite flag	1,0
	Out3_r	Out #3 clocking overwrite flag	1,0
	In3_r	In #3 clocking overwrite flag	1,0
	Out4_r	Out #4 clocking overwrite flag	1,0
	In4_r	In #4 clocking overwrite flag	1,0
	Out5_r	Out #5 clocking overwrite flag	1,0
	In5_r	In #5 clocking overwrite flag	1,0
	Out_r	Out clocking overwrite flag	1,0
	InOT_r	Overtime in clocking overwrite flag	1,0
	OutOT_r	Overtime out clocking overwrite flag	1,0
	RotateShift	Rotational shift qualify starts minute	10
	In_	In clocking limit (12, 24 format)	09:00 AM, 14:00
	Out1_	Out #1 clocking limit (12, 24 format)	09:00 AM, 14:00

Type	Possible variable	Description	Possible value
Result	In1_	In #1 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out2_	Out #2 clocking limit (12, 24 format)	09:00 AM, 14:00
	In2_	In #2 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out3_	Out #3 clocking limit (12, 24 format)	09:00 AM, 14:00
	In3_	In #3 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out4_	Out #4 clocking limit (12, 24 format)	09:00 AM, 14:00
	In4_	In #4 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out5_	Out #5 clocking limit (12, 24 format)	09:00 AM, 14:00
	In5_	In #5 clocking limit (12, 24 format)	09:00 AM, 14:00
	Out_	Out clocking limit (12, 24 format)	09:00 AM, 14:00
	InOT_	Overtime in clocking limit (12, 24 format)	09:00 AM, 14:00
	OutOT_	Overtime out clocking limit (12, 24 format)	09:00 AM, 14:00
	IOAble	Attendance I/O slot from user defined In/Out	0,1
	JobAble	Jobcost enabled schedule	0,1
	SameDay	Same day clocking within 1st clocking hours (24 format)	16.000
	NextDay	Separation hours between an out clocking and subsequent in clocking to qualify for next day (24 format)	16.000
	LastTime	Separation hours between an out clocking and subsequent in clocking to qualify for next day	16.000
	SameSlot	Same clocking slot time span	60
	RoundWork	Work hours either round-up(+) or round-down(-)	56
	Work_rdg	Work hour rounding option	0,1,2,3,4
	RoundOT	Overtime hours either round-up(+) or round-down(-)	56
	OT_rdg	Overtime hour rounding option	0,1,2,3
	RoundFrom1	First rounding time from (24 format)	13:00
	RoundTo1	First rounding time to (24 format)	13:00
	RoundTime1	First rounding time to (24 format)	13:00
	RoundFrom2	First rounding time from (24 format)	13:00
	RoundTo2	First rounding time to (24 format)	13:00
	RoundTime2	First rounding time to (24 format)	13:00
	Break_NoWork	Ignore Break Time (TCMSv2 - NoLunch)	0,1
	AddBreak	Auto Add Break Rule when you include lunch/dinner break)	0,1
	WorkBreak	Is the break paid	0,1
	MaxBreak	Deduct whole break after time in minutes	15.000
	OTBreak	include lunch/dinner time into overtime hour	0,1

Type	Possible variable	Description	Possible value
Result	FullBreak	exclude full lunch/dinner if it is greater then allowed	0,1
	LessBreak	Deduct no. of hours for break time from overtime hour	1.000
	ExceedOT	if overtime exceeded	4.000
	LessWork	Deduct no. of hours for break time from flexi-work hour	1.000
	ExceedWork	if daily total of work exceeds	1.000
	LessPerDay	automatic deduction to apply on total hours exceeds per day	0,1
	PlusWork	Auto Add Time (in hour format)	1.000
	ExceedPlus	if flexi-work surpassed	1.000
	PlusPerDay	automatic addition to apply on total hours exceeds per day	0,1
	MustLess	Do not deduct any lunch time if employee works half day only	0,1
	NoShort	deduct extra lunch/dinner time from working hour	0,1
	FlexiWork	Flexi-work hours before overtime	8.000
	FlexiOT	Differential overtime if total flexi-work hour exceeds workhour of	8.000
	MinOT	Minimum overtime hours qualify	5
	MaxOT	Maximum overtime hours allowed	5
	NoWorkOT	Overtime & double time for restday work	0,1
	EarlyTime	Earlytime for work before start	0,1
	DiffOTFrom	Differential rate overtime from time	16:00
	DiffOTTo	Differential rate overtime to time	16:00
	CoverShort	Deduct Work Shortage from OT	0,1

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "AllScheduleObj":[
      {
        "Auto_No":"34427",
        "Weekday":"Wednesday",
        "Company_ID":"351",
        "ScheNo":"1",
        "ScheDesc":",
        "ScheType":"1",
        "Dayofweek":"0",
        "DayType":"Workday",
```

"In": "09:00",  
"Out1": "",  
"In1": "",  
"Out2": "12:30",  
"In2": "13:30",  
"Out3": "15:00",  
"In3": "15:30",  
"Out4": "",  
"In4": "",  
"Out5": "",  
"In5": "",  
"Out": "18:00",  
"InOT": "",  
"OutOT": "",  
"In\_min": "0",  
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"Out2\_rdg": "0",  
"In2\_rdg": "0",  
"Out3\_rdg": "0",  
"In3\_rdg": "0",  
"Out4\_rdg": "0",  
"In4\_rdg": "0",  
"Out5\_rdg": "0",  
"In5\_rdg": "0",  
"Out\_rdg": "0",  
"InOT\_rdg": "0",  
"OutOT\_rdg": "0",  
"FiLoOnly": "0",  
"In\_g": "0",  
"Out1\_g": "0",  
"In1\_g": "0",  
"Out2\_g": "0",  
"In2\_g": "0",  
"Out3\_g": "0",  
"In3\_g": "0",  
"Out4\_g": "0",  
"In4\_g": "0",  
"Out5\_g": "0",  
"In5\_g": "0",  
"Out\_g": "0",

"InOT\_g": "0",  
 "OutOT\_g": "0",  
 "Break1\_NoWork": "0",  
 "Break2\_NoWork": "0",  
 "Break3\_NoWork": "0",  
 "Break4\_NoWork": "0",  
 "Break5\_NoWork": "0",  
 "Break1\_Used": "0",  
 "Break2\_Used": "0",  
 "Break3\_Used": "0",  
 "Break4\_Used": "0",  
 "Break5\_Used": "0",  
 "OT\_Used": "0",  
 "Break1\_Flexi": "0",  
 "Break2\_Flexi": "0",  
 "Break3\_Flexi": "0",  
 "Break4\_Flexi": "0",  
 "Break5\_Flexi": "0",  
 "In\_r": "0",  
 "Out1\_r": "0",  
 "In1\_r": "0",  
 "Out2\_r": "0",  
 "In2\_r": "0",  
 "Out3\_r": "0",  
 "In3\_r": "0",  
 "Out4\_r": "0",  
 "In4\_r": "0",  
 "Out5\_r": "0",  
 "In5\_r": "0",  
 "Out\_r": "0",  
 "InOT\_r": "0",  
 "OutOT\_r": "0",  
 "RotateShift": "0",  
 "In\_": "",  
 "Out1\_": "",  
 "In1\_": "",  
 "Out2\_": "13:00",  
 "In2\_": "15:00",  
 "Out3\_": "",  
 "In3\_": "",  
 "Out4\_": "",  
 "In4\_": "",  
 "Out5\_": "",  
 "In5\_": "",  
 "Out\_": "",  
 "InOT\_": "",  
 "OutOT\_": "",  
 "IOAble": "0",  
 "JobAble": "0",  
 "SameDay": "0.000",  
 "NextDay": "0.000",  
 "LastTime": "",  
 "SameSlot": "0",  
 "RoundWork": "0",  
 "Work\_rdg": "0",  
 "RoundOT": "0",



```

    "OT_rdg": "0",
    "RoundFrom1": "",
    "RoundTo1": "",
    "RoundTime1": "",
    "RoundFrom2": "",
    "RoundTo2": "",
    "RoundTime2": "",
    "Break_NoWork": "0",
    "AddBreak": "0",
    "WorkBreak": "0",
    "MaxBreak": "0.000",
    "OTBreak": "0",
    "FullBreak": "0",
    "LessBreak": "0.000",
    "ExceedOT": "0.000",
    "LessWork": "0.000",
    "ExceedWork": "0.000",
    "LessPerDay": "0",
    "PlusWork": "0.000",
    "ExceedPlus": "0.000",
    "PlusPerDay": "0",
    "MustLess": "0",
    "NoShort": "0",
    "FlexiWork": "0.000",
    "FlexiOT": "0.000",
    "MinOT": "0",
    "MaxOT": "0.000",
    "NoWorkOT": "0",
    "EarlyTime": "0",
    "DiffOTFrom": "",
    "DiffOTTO": "",
    "CoverShort": "0"
  }
]
}
}

```

## ii. Fail

```

{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "AllScheduleObj": ""
  }
}

```

# GetCompanySetting

- **Description:** Get company setting
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Company	Company Name	TimeTec Computing Sdn. Bhd.
	Phone	Company phone no.	603-80709933
	Fax	Company fax no.	603-80709988
	Email	Company email	info@fingertec.com
	Address	Company address	6, 8 & 10, Jalan BK 3/2
	CountryName	Company country	Malaysia
	Contact	Contact person	
	DateFormat	Date format	MM/DD/YYYY
	TimeFormat	Time format	2400, AM/PM
	HourFormat	Hour format	hh.mm, hh.hh
	Timezone	TimeZone	UTC+08:00
	PayCycle	Payroll cycle	Month
	Preferred_language	Preferred language	English
	AllowSupportLogin	Allow Support Login	0,1
	DateCulture	Date culture	Gregorian
	WeekOn	First day of the week	Sunday
	CurrencySymbol	Currency symbol	RM
	GridSize	Display no. of rows	100
	Timeout	Timeout in minute	120
PayStart	Payroll cylce starts on	2015-10-01	
IsAttendanceStatus	Attendance status flag	0,1	
DST	Daylight saving	0,1	

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "CompanySettingObj": [
      {
        "Company": "TimeTec Computing Sdn. Bhd.",
        "Phone": "603-80709933",
        "Fax": "603-80709988",
        "Email": "info@fingertec.com",
        "Address": "PUC FOUNDER (MSC) BHD\r\nNo. 6, 8 & 10, Jalan BK 3/2\r\nBandar Kinrara,
\r\n47180 Puchong,\r\nSelangor, Malaysia",
        "CountryName": "Malaysia",
        "Contact": "Daryl Choo",
        "DateFormat": "MM/DD/YYYY",
        "TimeFormat": "AM/PM",
        "HourFormat": "hh.mm",
        "Timezone": "UTC+08:00",
        "PayCycle": "Month",
        "Preferred_language": "English",
        "AllowSupportLogin": "0",
        "DateCulture": "Gregorian",
        "WeekOn": "Sunday",
        "CurrencySymbol": "RM",
        "GridSize": "100",
        "Timeout": "120",
        "PayStart": "",
        "IsAttendanceStatus": "1",
        "DST": "0"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "CompanySettingObj": ""
  }
}
```

# GetBranch

- **Description:** Get company branch
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Auto_No	Auto increment number	260
	Branch	Branch	TimeTec Computing Sdn. Bhd.

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "BranchObj": [
      {
        "Auto_No": "261",
        "Branch": "TimeTec Computing Sdn Bhd"
      },
      {
        "Auto_No": "263",
        "Branch": "Epicamera Sdn Bhd"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "BranchObj": ""
  }
}
```

# GetDepartment

- **Description:** Get company department
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Auto_No	Auto increment number	260
	Department	Department	Finance & Admin (F&A)

- **Sample return message:**

- Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "DepartmentObj": [
      {
        "Auto_No": "206",
        "Department": "Finance & Admin (F&A)"
      },
      {
        "Auto_No": "209",
        "Department": "Research & Development (R&D)"
      }
    ]
  }
}
```

- Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "DepartmentObj": ""
  }
}
```

# GetSection

- **Description:** Get company section
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Auto_No	Auto increment number	260
	Section	Section	Marketing

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "SectionObj": [
      {
        "Auto_No": "2041",
        "Section": "Marketing"
      },
      {
        "Auto_No": "2042",
        "Section": "Sales"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "SectionObj": ""
  }
}
```

# GetDayType

- **Description:** Get company day type
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Auto_No	Auto increment number	260
	DayType	Day type	Workday
	IsSum	Sum periodic flag	0,1
	WorkRate	Normal work rate %	100
	OTRate	Overtime rate %	100
	DiffOTRate	Differential overtime rate %	100

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "DayTypeObj": [
      {
        "Auto_No": "709",
        "DayType": "Workday",
        "IsSum": "1",
        "WorkRate": "100",
        "OTRate": "150",
        "DiffOTRate": "100"
      },
      {
        "Auto_No": "710",
        "DayType": "Holiday",
        "IsSum": "1",
        "WorkRate": "200",
        "OTRate": "300",
        "DiffOTRate": "100"
      }
    ],
  },
}
```

```

    "Auto_No": "711",
    "DayType": "Restday",
    "IsSum": "1",
    "WorkRate": "130",
    "OTRate": "200",
    "DiffOTRate": "100"
  },
  {
    "Auto_No": "712",
    "DayType": "Offday",
    "IsSum": "0",
    "WorkRate": "150",
    "OTRate": "200",
    "DiffOTRate": "100"
  }
]
}
}

```

ii. Fail

```

{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "DayTypeObj": ""
  }
}

```

## GetRemark

- **Description:** Get company remark
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	CompanyID	Varchar	Varchar(255)	Required

• **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Auto_No	Auto increment number	260
	Remark	Remark description	Attend Exhibition and Seminar
	WorkCode	Corresponding workcode in terminal	11
	Inused	Remark is used in terminal	0,1



- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "RemarkObj": [
      {
        "Auto_No": "85",
        "Remark": "Attend Exhibition and Seminar",
        "WorkCode": "12",
        "Inused": "0"
      },
      {
        "Auto_No": "89",
        "Remark": "Car Break Down",
        "WorkCode": "14",
        "Inused": "0"
      },
      {
        "Auto_No": "93",
        "Remark": "Meeting",
        "WorkCode": "10",
        "Inused": "0"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "RemarkObj": ""
  }
}
```

# GetAllHoliday

- **Description:** Get company all holidays
- **Param:** CompanyID, DateFrom, DateTo, RecordShowFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
DateFrom	DateFrom is the holiday start date	Varchar	yyyy-MM-dd	Required
DateTo	DateTo is the holiday end date Maximum 1 year period between DateFrom and DateTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	Date	Holiday date	2015-01-01
	DayType	Day type	Holiday
	LeaveType	Leave type	Annual
	Holiday	Holiday	New Year

- **Sample return message:**

```
i. Success
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AllHolidayObj": [
      {
        "All": [
          {
```



# GetBranchHoliday

- **Description:** Get company branch holidays
- **Param:** CompanyID, Branch, DateFrom, DateTo, RecordShowFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Branch	Branch			
DateFrom	DateFrom is the holiday start date	Varchar	yyyy-MM-dd	Required
DateTo	DateTo is the holiday end date Maximum 1 year period between DateFrom and DateTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	Date	Holiday date	2015-01-01
	DayType	Day type	Holiday
	LeaveType	Leave type	Annual
	Holiday	Holiday	New Year

- **Sample return message:**

- i. **Success**

```
{
  "ErrorMessage":"","
  "Result":{"
    "Status":"Success",
    "BranchHolidayObj":[
      {
        "TimeTec Computing Sdn Bhd":{
          {
            "Date":"2015-12-31",
            "DayType":"","
            "LeaveType":" Annual",
            "Holiday":"New Year Eve"
          }
        }
      ]
    }
  ]
}
```

- ii. **Fail**

```
{
  "ErrorMessage":"Invalid parameter",
  "Result":{"Status":"Fail","BranchHolidayObj":""}}
```

# GetGroupDutyRoster

- **Description:** Get company group duty roster
- **Param:** CompanyID, DateFrom, DateTo, RecordShowFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
DateFrom	DateFrom is the holiday start date	Varchar	yyyy-MM-dd	Required
DateTo	DateTo is the holiday end date Maximum 1 year period between DateFrom and DateTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	GroupNo	Duty roster group code	1
	GroupDesc	Group description	
	GroupType	Roster type 0:Shift, 1:Weekly	Shift, Weekly
	OvertimeOnlyAfter	Minimum periodic work hours before overtime hours	0.000
	PayCycle	Periodic work summary, 0: per week, 1:per month	0,1
	DailyTotals	Daily total summation	0
	AutoCalcOT	Daily to OT	0
	7thDayOT	7th day overtime	0
	ShiftCount	No. of shifts per day	0
EffectDate	Group duty roster effect day	2015-01-05	

Type	Possible variable	Description	Possible value
Result	DayType	Day type array separator	W W W R R W O W: Workday R: Restday O: Offday
	Date	Date	
	ScheNo	Schedule no.	Workday, Restday, Offday
	DayType	Day type	
	LeaveType	Leave type	Hari Raya Haji
	Holiday	Holiday	
	User	User ID	

- **Sample return message:**

- i. Success

```

{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "GroupDutyRosterObj": [
      {
        "GroupNo": "1",
        "GroupDesc": "Normal 9am to 6pm",
        "GroupType": "Weekly",
        "OvertimeOnlyAfter": "0.000",
        "PayCycle": "0",
        "DailyTotals": "0",
        "AutoCalcOT": "0",
        "7thDayOT": "0",
        "ShiftCount": "0",
        "EffectDate": "2015-01-05",
        "DayType": "",
        "Roster": {
          "Shift1": [
            {
              "2015-9": [
                {
                  "Date": "2015-09-16",
                  "ScheNo": "1",
                  "DayType": "Holiday",
                  "LeaveType": "",
                  "Holiday": "Malaysia Day"
                },
                {
                  "Date": "2015-09-17",
                  "ScheNo": "1",
                  "DayType": "Workday",
                  "LeaveType": "",
                  "Holiday": ""
                }
              ]
            }
          ]
        }
      }
    ]
  }
}

```

```

        "Date": "2015-09-18",
        "ScheNo": "1",
        "DayType": "Workday",
        "LeaveType": "",
        "Holiday": ""
    },
    {
        "Date": "2015-09-19",
        "ScheNo": "1",
        "DayType": "Restday",
        "LeaveType": "",
        "Holiday": ""
    },
    {
        "Date": "2015-09-20",
        "ScheNo": "1",
        "DayType": "Restday",
        "LeaveType": "",
        "Holiday": ""
    },
    {
        "Date": "2015-09-21",
        "ScheNo": "1",
        "DayType": "Workday",
        "LeaveType": "",
        "Holiday": ""
    },
    {
        "Date": "2015-09-22",
        "ScheNo": "1",
        "DayType": "Workday",
        "LeaveType": "",
        "Holiday": ""
    },
    {
        "Date": "2015-09-23",
        "ScheNo": "1",
        "DayType": "Workday",
        "LeaveType": "",
        "Holiday": ""
    },
    {
        "Date": "2015-09-24",
        "ScheNo": "1",
        "DayType": "Holiday",
        "LeaveType": "",
        "Holiday": "Hari Raya Haji"
    }
}
]
},

```



```

    "User":[
      "88",
      "1003",
      "1103"
    ]
  }
]
}
}
}

```

ii. Fail

```

{
  "ErrorMessage":"Invalid parameter",
  "Result":{"Status":"Fail","GroupDutyRosterObj":""}}

```

## GetUserDutyRoster

- **Description:** Get company user duty roster
- **Param:** CompanyID, UserID, DateFrom, DateTo, RecordShowFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
User ID	User ID			
DateFrom	DateFrom is the holiday start date	Varchar	yyyy-MM-dd	Required
DateTo	DateTo is the holiday end date Maximum 1 year period between DateFrom and DateTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	UserID	User ID	3117
	Name	Name	
	Branch	Branch	FingerTec Worldwide Sdn Bhd
	Department	Department	Research & Development (R&D)
	Section	Section	TimeTec
	GroupNo	Duty roster group code	1
	GroupType	Roster type 0:Shift, 1:Weekly	Shift, Weekly
	Date	Date	2015-09-16
	ScheNo	Schedule no.	4
	DayType	Day type	Workday, Restday, Offday
	LeaveType	Leave type	Out Of Office
	Holiday	Holiday	

- **Sample return message:**

- i. Success

```

{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "UserDutyRosterObj":[
      {
        "UserID":"3117",
        "Name":"Hazwani",
        "Branch":"FingerTec Worldwide Sdn Bhd",
        "Department":"Research & Development (R&D)",
        "Section":"TimeTec",
        "GroupNo":"4",
        "GroupType":"Weekly",
        "Roster":{
          "Shift1":[
            {
              "2015-9":[
                {
                  "Date":"2015-09-16",
                  "ScheNo":"4",
                  "DayType":"","
                  "LeaveType":"Out Of Office",
                  "Holiday":""
                }
              ]
            }
          ]
        }
      }
    ]
  }
}

```

```

    },
    {
      "Date": "2015-09-17",
      "ScheNo": "4",
      "DayType": "",
      "LeaveType": "Out Of Office",
      "Holiday": ""
    },
    {
      "Date": "2015-09-18",
      "ScheNo": "4",
      "DayType": "Workday",
      "LeaveType": "",
      "Holiday": ""
    },
    {
      "Date": "2015-09-19",
      "ScheNo": "4",
      "DayType": "Restday",
      "LeaveType": "",
      "Holiday": ""
    },
    {
      "Date": "2015-09-20",
      "ScheNo": "4",
      "DayType": "Restday",
      "LeaveType": "",
      "Holiday": ""
    },
    {
      "Date": "2015-09-21",
      "ScheNo": "4",
      "DayType": "Workday",
      "LeaveType": "",
      "Holiday": ""
    },
    {
      "Date": "2015-09-22",
      "ScheNo": "4",
      "DayType": "Workday",
      "LeaveType": "",
      "Holiday": ""
    },
    {
      "Date": "2015-09-23",
      "ScheNo": "4",
      "DayType": "",
      "LeaveType": "Sick",
      "Holiday": ""
    },
    {
      "Date": "2015-09-24",
      "ScheNo": "4",
      "DayType": "",
      "LeaveType": "Sick",
      "Holiday": ""
    }
  ]
}

```



Param	Description	Data Type	Size	Remark
FirstDayOfWeek	First day of week	Varchar	Varchar(255)	Required
CurrencySymbol	Currency symbol	Varchar	Varchar(255)	Optional
GridSize	Grid size	Varchar	Varchar(255)	Required
Timeout	Timeout			
PayrollCycleStartDate	Payroll cycle start date	Varchar	Varchar(255)	Optional

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```

# AddBranch

- **Description:** Add branch
- **Param:** CompanyID, Branch
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Branch	Branch			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{  
  "ErrorMessage": "",  
  "Result": {  
    "Status": "Success",  
  }  
}
```

ii. Fail

```
{  
  "ErrorMessage": "Invalid parameter",  
  "Result": {  
    "Status": "Fail"  
  }  
}
```

# UpdateBranch

- **Description:** Update branch
- **Param:** CompanyID, AutoNo, Branch
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Auto No.	Auto No			
Branch	Branch			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```

# AddDepartment

- **Description:** Add department
- **Param:** CompanyID, Department
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Department	Department			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```



# UpdateDepartment

- **Description:** Update department
- **Param:** CompanyID, AutoNo, Department
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Auto No.	Auto No			
Department	Department			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```

# AddSection

- **Description:** Add section
- **Param:** CompanyID, Section
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Section	Section			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```

# UpdateSection

- **Description:** Update section
- **Param:** CompanyID, AutoNo, Section
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Auto No.	Auto No			
Section	Section			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```

# AddRemark

- **Description:** Add remark
- **Param:** CompanyID, Remark
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Remark	Remark			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```

# UpdateRemark

- **Description:** Update remark
- **Param:** CompanyID, AutoNo, Remark
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
Auto No.	Auto No			
Remark	Remark			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{  
  "ErrorMessage": "",  
  "Result": {  
    "Status": "Success",  
  }  
}
```

ii. Fail

```
{  
  "ErrorMessage": "Invalid parameter",  
  "Result": {  
    "Status": "Fail"  
  }  
}
```

# UpdateDayType

- **Description:** Update day type
- **Param:** CompanyID, AutoNo, DayType, PeriodicTotal, WorkRate, OTRate, DiffOTRate
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
Auto No.	Auto No			
DayType	Remark			
PeriodicTotal	Sum periodic flag (0, 1)	Varchar	Varchar(255)	Optional
WorkRate	Normal work rate %			
OTRate	Overtime rate %			
DiffOTRate	Differential overtime rate %			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
  }
}
```

# GetOrgStructure

- **Description:** Get Organization Structure
- **Param:** CompanyID
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	ID	Division ID	322
	ParentID	Division Parent ID	0
	Division	Division name	Board of Director
	DivisionType	Division Type	1: TimeTec TA Division 2: Security Vendor
	CompanyRegistrationID	Company Registration ID	
	Email	Email Address	bom@gmail.com
	PhoneNo	Telephone No	
	FaxNo	Telephone Fax No	
	Address	Billing Address	
	CountryCode	Country Code	MY
	HierarchyDivision	Store hierarchy division id to display	,322,
	CreateDate		2016-02-23 10:44:58
	LastUpdate		2016-02-23 10:44:58

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "OrgStructureObj": [
      {
        "ID": "322",
        "ParentID": "0",
```

```

    "Division": "Board of Director ",
    "DivisionType": "TimeTec TA Division",
    "CompanyRegistrationID": "123",
    "Email": "bom@gmail.com",
    "PhoneNo": "01223232",
    "FaxNo": "012121233",
    "Address": "i-Tech Tower Cyberjaya, Malaysia ",
    "CountryCode": "MY",
    "HierarchyDivision": "322",
    "CreateDate": "2016-02-23 10:44:58",
    "LastUpdate": "2016-03-28 02:59:38"
  }
}

```

## ii. Fail

```

{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
    "OrgStructureObj": ""
  }
}

```

# GetOrgStructureHoliday

- **Description:** Get Organization Structure Holiday
- **Param:** CompanyID, DivisionID, CheckTimeFrom, CheckTimeTo, RecordStartFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Company ID	Varchar	Varchar(255)	Required
DivisionID	Division ID			
CheckTimeFrom	CheckTimeFrom is the start clocking date	Varchar	yyyy-MM-dd	Required
CheckTimeTo	CheckTimeTo is the end of clocking date Maximum 1 year period between CheckTimeFrom and CheckTimeTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			



- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter
Result	Status		Success, Fail
	Date	Holiday date	2016-02-08
	Holiday	Holiday	Chinese Lunar New Year's Day

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "OrgStructureHolidayObj": [
      {
        "BOM": [
          {
            "Date": "2016-02-08",
            "Holiday": "Chinese Lunar New Year's Day"
          },
          {
            "Date": "2016-05-01",
            "Holiday": "Labour Day"
          }
        ]
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail"
    "OrgStructureHolidayObj": ""
  }
}
```

# GetAttendanceJobCost

- **Description:** Get attendance and job cost data
- **Param:** CompanyID, UserID, CheckTimeFrom, CheckTimeTo, RecordStartFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
UserID	Unique ID assigned to company user	Varchar	Varchar(255)	Required
CheckTimeFrom	CheckTimeFrom is the start clocking date	Varchar	yyyy-MM-dd	Required
CheckTimeTo	CheckTimeTo is the end of clocking date Maximum 1 month period between CheckTimeFrom and CheckTimeTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	Date	Attendance date (DMY, MDY, YMD format)	26/02/2015 02/26/2015 2015/02/26
	User_ID	User ID	92
	Name	Name	Nur Hazwani
	DayType	Day type	Workday
	ScheNo	Schedule no. (0 for open schedule)	1
	In	In clocking time (12, 24 format)	09:00 AM, 14:00
	Out	Out clocking time (12, 24 format)	09:00 AM, 14:00
	Out1	Out #1 clocking time (12, 24 format)	09:00 AM, 14:00
	In1	In #1 clocking time (12, 24 format)	09:00 AM, 14:00
	Out2	Out #2 clocking time (12, 24 format)	09:00 AM, 14:00
In2	In #2 clocking time (12, 24 format)	09:00 AM, 14:00	

Type	Possible variable	Description	Possible value
Result	Out3	Out #3 clocking time (12, 24 format)	09:00 AM, 14:00
	In3	In #3 clocking time (12, 24 format)	09:00 AM, 14:00
	Out4	Out #4 clocking time (12, 24 format)	09:00 AM, 14:00
	In4	In #4 clocking time (12, 24 format)	09:00 AM, 14:00
	Out5	Out #5 clocking time (12, 24 format)	09:00 AM, 14:00
	In5	In #5 clocking time (12, 24 format)	09:00 AM, 14:00
	WorkHour	Work hour (HM, HH format)	8.00
	OTHour	Overtime hour (HM, HH format)	1.31
	LeaveHour	Leave hour taken define by user (HM, HH format)	1.11
	LeaveType	Leave type	"Annual Leave" "Absent" "Annual" "Annual Leave" "Compassionate Leave" "EID Holiday" "Emergency" "Emergency Leave" "Emergency Leave (AM)" "Emergency Leave (PM)" "Half Day (AM)" "Halfday (PM)" "Holiday" "Hospitalization" "Long Service Leave" "Marriage" "Maternity Leave" "Medical Leave" "Out Of Office" "Parternity" "Paternity Leave" "Public Holiday" "Sick" "Study Leave" "Unpaid" "Vacation"
	Remark	User Remark/Comment	Out of office
	WorkCode	Word Codes used when reporting attendance	Repair Machine
	DiffOTHour	Differential OT hour	1.00
	JobCost-In	In clocking time (12, 24 format)	09:00 AM, 14:00
	JobCost-Out	Out clocking time (12, 24 format)	09:00 AM, 14:00
	JobCost-WorkHour	Work hour (HM, HH format)	8.00
	JobCost-OTHour	Overtime hour (HM, HH format)	2.00
	JobCost-DiffOTHour	Differential OT hour	1.00
	JobCost-WorkCode	Word Codes used when reporting attendance	2
JobCost-WorkCode Remark	Work Code Remark	Repair Machine	

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage":"","
  "Result":{
    "Status":"Success",
    "AttendanceJobCostObj":[
      {
        "Date":"01/06/2017",
        "User_ID":"61",
        "Name":"jc-any-weekday",
        "DayType":"Workday",
        "ScheNo":"6",
        "In":"16:06",
        "Out":"23:24",
        "Out1":"","
        "In1":"","
        "Out2":"","
        "In2":"","
        "Out3":"","
        "In3":"","
        "Out4":"","
        "In4":"","
        "Out5":"","
        "In5":"","
        "WorkHour":"9.00",
        "OTHour":"2.00",
        "LeaveHour":"4.00",
        "LeaveType":"Annual",
        "Remark":"trst"
        "WorkCode":"","
        "DiffOTHour":"1.00",
        "JobCost":[
          {
            "In":"16:06",
            "Out":"23:24",
            "WorkHour":"2.00",
            "OTHour":"3.00",
            "DiffOTHour":"4.00",
            "WorkCode":"2",
            "WorkCodeRemark":"Repair Machine"
          }
        ]
      }
    ]
  }
}
```

- ii. Fail

```
{"ErrorMessage":"Invalid parameter",
  "Result":{"Status":"Fail"," AttendanceJobCostObj ":""}}}
```

# GetAllAttendanceJobCost

- **Description:** Get all attendance and job cost data
- **Param:** CompanyID, CheckTimeFrom, CheckTimeTo, RecordStartFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
CheckTimeFrom	CheckTimeFrom is the start clocking date	Varchar	yyyy-MM-dd	Required
CheckTimeTo	CheckTimeTo is the end of clocking date Maximum 1 month period between CheckTimeFrom and CheckTimeTo			
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	Date	Attendance date (DMY, MDY, YMD format)	26/02/2015 02/26/2015 2015/02/26
	User_ID	User ID	92
	Name	Name	Nur Hazwani
	DayType	Day type	Workday
	ScheNo	Schedule no. (0 for open schedule)	1
	In	In clocking time (12, 24 format)	09:00 AM, 14:00
	Out	Out clocking time (12, 24 format)	09:00 AM, 14:00
	Out1	Out #1 clocking time (12, 24 format)	09:00 AM, 14:00
	In1	In #1 clocking time (12, 24 format)	09:00 AM, 14:00
	Out2	Out #2 clocking time (12, 24 format)	09:00 AM, 14:00
	In2	In #2 clocking time (12, 24 format)	09:00 AM, 14:00

Type	Possible variable	Description	Possible value
Result	Out3	Out #3 clocking time (12, 24 format)	09:00 AM, 14:00
	In3	In #3 clocking time (12, 24 format)	09:00 AM, 14:00
	Out4	Out #4 clocking time (12, 24 format)	09:00 AM, 14:00
	In4	In #4 clocking time (12, 24 format)	09:00 AM, 14:00
	Out5	Out #5 clocking time (12, 24 format)	09:00 AM, 14:00
	In5	In #5 clocking time (12, 24 format)	09:00 AM, 14:00
	WorkHour	Work hour (HM, HH format)	8.00
	OTHour	Overtime hour (HM, HH format)	1.31
	LeaveHour	Leave hour taken define by user (HM, HH format)	1.11
	LeaveType	Leave type	"Annual Leave" "Absent" "Annual" "Annual Leave" "Compassionate Leave" "EID Holiday" "Emergency" "Emergency Leave" "Emergency Leave (AM)" "Emergency Leave (PM)" "Half Day (AM)" "Halfday (PM)" "Holiday" "Hospitalization" "Long Service Leave" "Marriage" "Maternity Leave" "Medical Leave" "Out Of Office" "Parternity" "Paternity Leave" "Public Holiday" "Sick" "Study Leave" "Unpaid" "Vacation"
	Remark	User Remark/Comment	Out of office
	WorkCode	Word Codes used when reporting attendance	Repair Machine
	DiffOTHour	Differential OT hour	1.00
	JobCost-In	In clocking time (12, 24 format)	09:00 AM, 14:00
	JobCost-Out	Out clocking time (12, 24 format)	09:00 AM, 14:00
	JobCost-WorkHour	Work hour (HM, HH format)	8.00
	JobCost-OTHour	Overtime hour (HM, HH format)	2.00
JobCost-DiffOTHour	Differential OT hour	1.00	
JobCost-WorkCode	Word Codes used when reporting attendance	2	
JobCost-WorkCode Remark	Work Code Remark	Repair Machine	

- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AllAttendanceJobCostObj": [
      {
        "Date": "01/06/2017",
        "User_ID": "61",
        "Name": "jc-any-weekday",
        "DayType": "Workday",
        "ScheNo": "6",
        "In": "16:06",
        "Out": "23:24",
        "Out1": "",
        "In1": "",
        "Out2": "",
        "In2": "",
        "Out3": "",
        "In3": "",
        "Out4": "",
        "In4": "",
        "Out5": "",
        "In5": "",
        "WorkHour": "9.00",
        "OTHour": "2.00",
        "LeaveHour": "4.00",
        "LeaveType": "Annual",
        "Remark": "trst",
        "WorkCode": "",
        "DiffOTHour": "1.00",
        "JobCost": [
          {
            "In": "16:06",
            "Out": "23:24",
            "WorkHour": "2.00",
            "OTHour": "3.00",
            "DiffOTHour": "4.00",
            "WorkCode": "2",
            "WorkCodeRemark": "Repair Machine"
          }
        ]
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "AllAttendanceJobCostObj": [
      {}
    ]
  }
}
```

# GetAuditDataByDate

- **Description:** : Get 1 day audit data
- **Parameters:** CompanyID, CheckTimeDate , RecordStartFrom, LimitRecordShow
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
CheckTimeDate	Clocking date	Varchar	yyyy-MM-dd	Required
RecordStartFrom	RecordStartFrom is to show record start from the input number Default value is 0.	Varchar	Varchar(255)	Optional
LimitRecordShow	LimitRecordShow Is the total number of record to show. Maximum number of records show is 1000. Default value is 1000.			

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	User_ID	User ID	92
	Terminal_ID	Terminal ID	1
	Terminal_SN	Serial No.	7307734
	Email		
	CheckTime	Clocking time	31/10/2013 12:00:02
	CheckType	Clocking Type 0 : Check-In 1 : Check Out 2 : Break Out 3 : Resume In 4 : OT-In 5 : OT-Out	0, 1, 2, 3, 4, 5



- **Sample return message:**

- i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AuditDataObj": [
      {
        "User_ID": "92",
        "Terminal_ID": "15",
        "Terminal_SN": "7307734",
        "Email": "",
        "CheckTime": "31/10/2013 12:00:02",
        "CheckType": "0"
      }
    ]
  }
}
```

- ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "AuditDataObj": ""
  }
}
```

# GetAuditDataCount

- **Description:** : Get 1 day audit data total count
- **Parameters:** CompanyID, CheckTimeDate
- **Param description:**

Param	Description	Data Type	Size	Remark
CompanyID	Unique ID assigned to company	Varchar	Varchar(255)	Required
CheckTimeDate	Clocking date	Varchar	yyyy-MM-dd	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	1. Invalid parameter 2. Security token is not valid
Result	Status		Success, Fail
	AuditDataCount	Total audit data count	1

- **Sample return message:**

i. Success

```
{
  "ErrorMessage": "",
  "Result": {
    "Status": "Success",
    "AuditDataCount": "1"
  }
}
```

ii. Fail

```
{
  "ErrorMessage": "Invalid parameter",
  "Result": {
    "Status": "Fail",
    "AuditDataCount": ""
  }
}
```

# WebServiceLogout

- **Description:** Logout from the session
- **Parameters:**

Param	Description	Data Type	Size	Remark
ST	Token returned from WebserviceLogin function	String	Varchar (20)	Required

- **Return:**

Type	Possible variable	Description	Possible value
Error Message	ErrorMessage	Return error message if there's error while execute this function	---
Result	Status	---	Success, Fail

- **Sample return message:**
  - Success  
`{"ErrorMessage":"","Result":{"Status":"Success"}}`
  - Fail  
`{"ErrorMessage":"","Result":{"Status":"Fail"}}`

timeTec