API Reference

1. Trainee Register

**Method :**

Post

**API** :

http://<host>:8080/smartbeat/v1.0/trainee/register

Example:

http://localhost:8080/smartbeat/v1.0/trainee/register

**Request Json**:

{

“accessToken”:”<FacebookUserAccessToken>”,

“accessTokenType”:” facebook”

}

Example:

{"accessToken":"CAACEdEose0cBAOETd3oqDOzaIBkFrZA7MvZB5MzC7Wp30bbbqssUPEKBs7RxxB2brBz83IQZBSQ44x5vW1qo1CZBYMyWV5ZAQlYJ88LPXgwxX0K9eKum6YQzfeROOhitEdJUMunNVnB4XYBCfBBQGTcqRz5gaKiapl68CsfxCToQPo2sHP2TSv5ayTZCZCK22GhnZBuhZBW3BEgZDZD",

"accessTokenType":"facebook"}

**Response Json:**

{

status: 200

message: "OK"

-obj: {

userid: "<Genie User ID>"

}

}

Example:

{

status: 200

message: "OK"

-obj: {

userid: "65503020-f0b7-4bfa-b5d0-8c9fbfc22949"

}

}

1. Get HeartRateZones

**Method :**

Get

**API:**

http://<host>:8080/smartbeat/v1.0/trainee/id/<GenieUserID>/heartrateZones?accessToken=<FacebookUserAccessToken> &accessTokenType=facebook

Example:

http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/heartrateZones?accessToken=CAACEdEose0cBAOETd3oqDOzaIBkFrZA7MvZB5MzC7Wp30bbbqssUPEKBs7RxxB2brBz83IQZBSQ44x5vW1qo1CZBYMyWV5ZAQlYJ88LPXgwxX0K9eKum6YQzfeROOhitEdJUMunNVnB4XYBCfBBQGTcqRz5gaKiapl68CsfxCToQPo2sHP2TSv5ayTZCZCK22GhnZBuhZBW3BEgZDZD&accessTokenType=facebook

**Request Json:**

None

**Response Json:**

{

"status": 200,

"message": "OK",

"obj": {

"userid": "<Genie User ID>",

"heartrateZone1Start": <heartrate>,

"heartrateZone1End": <heartrate>,

"heartrateZone2Start": <heartrate>,

"heartrateZone2End": <heartrate>,

"heartrateZone3Start": <heartrate>,

"heartrateZone3End": <heartrate>,

"heartrateZone4Start": <heartrate>,

"heartrateZone4End": <heartrate>,

"heartrateZone5Start": <heartrate>,

"heartrateZone5End": <heartrate>,

"heartrateZone6Start": <heartrate>,

"heartrateZone6End": heartrate>,

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"heartrateZone1Start": 72,

"heartrateZone1End": 92.15,

"heartrateZone2Start": 92.15,

"heartrateZone2End": 102.22,

"heartrateZone3Start": 102.22,

"heartrateZone3End": 107.68,

"heartrateZone4Start": 107.68,

"heartrateZone4End": 114.59,

"heartrateZone5Start": 114.59,

"heartrateZone5End": 180.24,

"heartrateZone6Start": 180.24,

"heartrateZone6End": 187.15

}

}

1. SaveHeartRateTest

**Method :**

Post

**API:**

http://<host>:8080/smartbeat/v1.0/trainee/id/<GenieUserId>/heartrateTest/save?accessToken=<FacebookUserAccessToken>&accessTokenType=facebook

Example:

<http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/heartrateTest/save?accessToken=CAACEdEose0cBAJ2PYDaJ9eaCAdsKKLTduWSNoclPjsZCIKJGBuRoPX31wQQQ5Tp4tbXMnxiH1r99J4iS3yjZBX5ZC61K2VwqVQRWB08UePWYQvzdKD3Sppn9FoPGJu02jihloWbk2dkYwtbam2fYPMcZC7Pp62uw1A0ZCVZCapilvS8pbqNpY4Dynn4XTIqv0ZD&accessTokenType=facebook>

**Request Json:**

{"heartrateType":<HeartrateType>,

"heartrate":<heartrate>,

"timeOfRecord":<timestamp>

}

Note: The HeartrateType can take only the following values:

0 for Resting Heartrate

1 for Threshold Heartrate

2 for Maximal Heartrate

3 for Orthostatic Heartrate

Example:

{"heartrateType":"0",

"heartrate":"66.0",

"timeOfRecord":"2013-09-23 11:00:37.291"

}

**Response Json:**

{

status: 200

message: "OK"

obj:

{

heartrateZones:

{

userid: <Genie User ID>

heartrateZone1Start: <heartrate>

heartrateZone1End: <heartrate>

heartrateZone2Start: <heartrate>

heartrateZone2End: <heartrate>

heartrateZone3Start: <heartrate>

heartrateZone3End: <heartrate>

heartrateZone4Start: <heartrate>

heartrateZone4End: <heartrate>

heartrateZone5Start: <heartrate>

heartrateZone5End: <heartrate>

heartrateZone6Start: <heartrate>

heartrateZone6End: <heartrate>

}

shapeIndex:

{

userid: <Genie User ID>

shapeIndex: <ShapeIndex>

}

}

}

Example:

{

status: 200

message: "OK"

obj:

{

heartrateZones:

{

userid: "65503020-f0b7-4bfa-b5d0-8c9fbfc22949"

heartrateZone1Start: 66

heartrateZone1End: 83

heartrateZone2Start: 83

heartrateZone2End: 91.5

heartrateZone3Start: 91.5

heartrateZone3End: 95.15

heartrateZone4Start: 95.15

heartrateZone4End: 102.42

heartrateZone5Start: 102.42

heartrateZone5End: 179.88

heartrateZone6Start: 179.88

heartrateZone6End: 187.15

}

shapeIndex:

{

userid: "65503020-f0b7-4bfa-b5d0-8c9fbfc22949"

shapeIndex: 100

}

}

}

1. Save Training Session Data

**Method :**

Post

**API:**

http://<host>:8080/smartbeat/v1.0/trainee/id/<GenieUserId>/trainingSession/save?accessToken=<FacebookUserAccessToken> &accessTokenType=facebook

Example:

<http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/trainingSession/save?accessToken=CAACEdEose0cBAJ2PYDaJ9eaCAdsKKLTduWSNoclPjsZCIKJGBuRoPX31wQQQ5Tp4tbXMnxiH1r99J4iS3yjZBX5ZC61K2VwqVQRWB08UePWYQvzdKD3Sppn9FoPGJu02jihloWbk2dkYwtbam2fYPMcZC7Pp62uw1A0ZCVZCapilvS8pbqNpY4Dynn4XTIqv0ZD&accessTokenType=facebook>

**Request Json:**

{

"startTime" : <Timestamp>,

"endTime" : <Timestamp>,

"hrz1Time" : <TimeInMinutes>,

"hrz2Time" : <TimeInMinutes>,

"hrz3Time" : <TimeInMinutes>,

"hrz4Time" : <TimeInMinutes>,

"hrz5Time" : <TimeInMinutes>,

"hrz6Time" : <TimeInMinutes>,

"hrz1Distance" : <DistanceInMetres>,

"hrz2Distance" : <DistanceInMetres>,

"hrz3Distance" : <DistanceInMetres>,

"hrz4Distance" : <DistanceInMetres>,

"hrz5Distance" : <DistanceInMetres>,

"hrz6Distance" : <DistanceInMetres>,

"surfaceIndex" : <SurfaceIndex>,

"healthPerceptionIndex":< HealthPerceptionIndex >,

"muscleStatePerceptionIndex":< MuscleStatePerceptionIndex >,

"sessionStressPerceptionIndex":< SessionStressPerceptionIndex >,

"averageAltitude":< AverageAltitude >,

"extraLoad":< ExtraLoad >

}

Note:

1. The minimum time for each zone is 2 minutes
2. The following are values to be used for the surface Index:

0 for Paved Track

1 for Good Dirty Wet Track

2 for Good Forest Path

3 for Mediocre/Short Grass

4 for Rough Path

5 for Slippery Path

6 for Mud/Snow/Sand

7 for Wet Mud/Deep Snow

Example:

{

"startTime" : "2013-01-19 03:14:07.234",

"endTime" : "2013-01-19 03:54:07.123",

"hrz1Time" : "0.0",

"hrz2Time" : "3.0",

"hrz3Time" : "14.0",

"hrz4Time" : "10.0",

"hrz5Time" : "2.0",

"hrz6Time" : "0.0",

"hrz1Distance" : "0.0",

"hrz2Distance" : "365.0",

"hrz3Distance" : "1960.0",

"hrz4Distance" : "1500.0",

"hrz5Distance" : "316.67",

"hrz6Distance" : "0.0",

"surfaceIndex" : "0",

"healthPerceptionIndex":"0",

"muscleStatePerceptionIndex":"0",

"sessionStressPerceptionIndex":"0",

"averageAltitude":"400",

"extraLoad":"3"

}

**Response Json:**

{

status: 200

message: "OK"

obj:

{

userid: <Genie User ID>

trainingSessionId: <Training Session Id>

shapeIndex: <Shape Index>

recentTotalLoadOfExercise: <Total Load of Exercise for the Session>

vDot: <Vdot for the session>

recentMinimumOfHomeostasisIndex: <Recent Minimum Of Homeostasis Index>

traineeClassification: <Trainee Classification>

}

}

Example:

{

status: 200

message: "OK"

obj:

{

userid: "65503020-f0b7-4bfa-b5d0-8c9fbfc22949"

trainingSessionId: "65503020-f0b7-4bfa-b5d0-8c9fbfc22949\_TRN\_2013\_1"

shapeIndex: 70.88

recentTotalLoadOfExercise: 67.5

vDot: 27.75

recentMinimumOfHomeostasisIndex: -67.5

traineeClassification: 1

}

}

Note :

The Mapping between Trainee Classification values and Trainee Classification are as follows:

1 for Untrained

2 for Lightly Trained

3 for Moderately Trained

4 for Well Trained

5 for Elite

1. Get Shape Index

**Method :**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserId>/shapeIndex?accessToken=<FaceboookUserAccessToken> &accessTokenType=facebook

Example:

<http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/shapeIndex?accessToken=CAACEdEose0cBAJ2PYDaJ9eaCAdsKKLTduWSNoclPjsZCIKJGBuRoPX31wQQQ5Tp4tbXMnxiH1r99J4iS3yjZBX5ZC61K2VwqVQRWB08UePWYQvzdKD3Sppn9FoPGJu02jihloWbk2dkYwtbam2fYPMcZC7Pp62uw1A0ZCVZCapilvS8pbqNpY4Dynn4XTIqv0ZD&accessTokenType=facebook>

**Request Json:**

None

**Response Json:**

{

"status": 200,

"message": "OK",

"obj": {

"userid": <GenieUserId>,

"shapeIndex": <ShapeIndexValue>

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"shapeIndex": 70.87

}

}

1. Get User Info By Email ID

**Method:**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/email/<emailID>?accessToken= <FacebookUserAccessToken>&accessTokenType=facebook

Example: <http://localhost:8080/smartbeat/v1.0/trainee/email/sureshKumar@yahoo.co.in?accessToken=CAACEdEose0cBACZBJTbohAwF9bHUJDKSGDPPEZBj7gv6oEkosietGIZBjp1BRk00x3jn7FFuhAbRtGK6tZChSP94COamFpmTrDViJ4rvCMmgPm7t6dNxZBpEbwIdZB95FlGZARMVUPxchdtINK4nOM0DTIfQGWMBrtZCOImz5Pyz6CuRSegWoN8qvMdSMpPhoGAZD&accessTokenType=facebook>

**Request Json:**

None

**Response Json:**

{

"status": 200,

"message": "OK",

"obj": {

"userid": <Genie UserID>,

"firstName": <First Name>,

"lastName": <Second Name>,

"dob": <DateOfBirth>,

"imageUrl":<ImageURL>

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"firstName": "Suresh",

"lastName": "Kumar",

"dob": "1968-06-21",

"imageUrl": null

}

}

1. Get Shape Index in a Time Interval

**Method:**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserID>/shapeIndex/inTimeInterval?startTimeStamp=<Timestamp>&endTimeStamp=<Timestamp>&accessToken= <FacebookUserAccessToken>&accessTokenType=facebook

Example:

http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/shapeIndex/inTimeInterval?startTimeStamp=2013-01-19 02:54:07.123&endTimeStamp=2013-01-24 12:54:07.123&accessToken=CAACEdEose0cBACZBJTbohAwF9bHUJDKSGDPPEZBj7gv6oEkosietGIZBjp1BRk00x3jn7FFuhAbRtGK6tZChSP94COamFpmTrDViJ4rvCMmgPm7t6dNxZBpEbwIdZB95FlGZARMVUPxchdtINK4nOM0DTIfQGWMBrtZCOImz5Pyz6CuRSegWoN8qvMdSMpPhoGAZD&accessTokenType=facebook

**Request Json:**

None

**Response Json:**

{

"status": 200,

"message": "OK",

"obj": {

"userID":<GenieUserID>,

"shapeIndexes": [

{

"shapeIndex": <shapeIndex>,

"timeOfRecord": <Timestamp>

},

{

"shapeIndex": <shapeIndex>,

"timeOfRecord": <Timestamp>

}

]

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userID": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"shapeIndexes": [

{

"shapeIndex": 100,

"timeOfRecord": "2013-01-19 03:54:07"

},

{

"shapeIndex": 100.02,

"timeOfRecord": "2013-01-24 03:54:07"

}

]

}

}

1. Get Training Session IDs in a Time Interval

**Method:**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserId>/trainingSessionId/inTimeInterval?startTimeStamp=<Timestamp>&endTimeStamp=<Timestamp>&accessToken=<FacebookUserAccessToken>&accessTokenType=facebook

Example:

http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/trainingSessionId/inTimeInterval?startTimeStamp=2013-01-19 02:54:07.123&endTimeStamp=2013-01-24 12:54:07.123&accessToken=CAACEdEose0cBACZBJTbohAwF9bHUJDKSGDPPEZBj7gv6oEkosietGIZBjp1BRk00x3jn7FFuhAbRtGK6tZChSP94COamFpmTrDViJ4rvCMmgPm7t6dNxZBpEbwIdZB95FlGZARMVUPxchdtINK4nOM0DTIfQGWMBrtZCOImz5Pyz6CuRSegWoN8qvMdSMpPhoGAZD&accessTokenType=facebook

**Request Json:**

None

**Response Json:**

{

"status": 200,

"message": "OK",

"obj": {

"userID": <GenieUserID>,

"trainingSessionIDs": [

{

"trainingSessionId": <trainingSessionId>,

"startTime": <Start Time>,

"endTime": <End Time>

},

{

"trainingSessionId": <trainingSessionId>,

"startTime": <Start Time>,

"endTime": <End Time>

}

]

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userID": "ff2d44bb-8af8-46e3-b88f-0cd777ac188e",

"trainingSessionIDs": [

{

"trainingSessionId": "test1",

"startTime": "2013-10-06 10:00:00",

"endTime": "2013-10-06 11:00:00"

},

{

"trainingSessionId": "test2",

"startTime": "2013-10-07 19:00:00",

"endTime": "2013-10-07 20:50:00"

}

]

}

}

1. Get Training Sessions in a Time Interval

**Method:**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserId>/trainingSession/inTimeInterval?startTimeStamp=<Timestamp>&endTimeStamp=<Timestamp>&accessToken=<FacebookUserAccessToken>&accessTokenType=facebook

Example:

http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/trainingSession/inTimeInterval?startTimeStamp=2013-01-19 02:54:07.123&endTimeStamp=2013-01-24 12:54:07.123&accessToken=CAACEdEose0cBACZBJTbohAwF9bHUJDKSGDPPEZBj7gv6oEkosietGIZBjp1BRk00x3jn7FFuhAbRtGK6tZChSP94COamFpmTrDViJ4rvCMmgPm7t6dNxZBpEbwIdZB95FlGZARMVUPxchdtINK4nOM0DTIfQGWMBrtZCOImz5Pyz6CuRSegWoN8qvMdSMpPhoGAZD&accessTokenType=facebook

**Request Json:**

None

**Response Json:**

{

"status": 200,

"message": "OK",

"obj": {

"userID": <GenieUserID>,

"trainingSessionBeans": [

{

"userid": <GenieUserID>,

"trainingSessionId": <TrainingSessionID>,

"startTime": <Timestamp>,

"endTime": <Timestamp>,

"hrz1Time": <TimeInMinutes>,

"hrz2Time": <TimeInMinutes>,

"hrz3Time": <TimeInMinutes>,

"hrz4Time": <TimeInMinutes>,

"hrz5Time": <TimeInMinutes>,

"hrz6Time": <TimeInMinutes>,

"hrz1Distance": <DistanceInMetres>,

"hrz2Distance": <DistanceInMetres>,

"hrz3Distance": <DistanceInMetres>,

"hrz4Distance": <DistanceInMetres>,

"hrz5Distance": <DistanceInMetres>,

"hrz6Distance": <DistanceInMetres>,

"surfaceIndex": <SurfaceIndexValue>,

"vdot": <VdotValue>,

"healthPerceptionIndex":< HealthPerceptionIndex >,

"muscleStatePerceptionIndex": <MuscleStatePerceptionIndex >,

"sessionStressPerceptionIndex": <SessionStressPerceptionIndex >,

"averageAltitude": <AverageAltitude>,

"extraLoad": <ExtraLoad>,

"validityStatus": <ValidityStatus>,

"sessionDuration": <SessionDuration>,

"validForTableInsert": <Boolean>,

"timeDistributionOfHRZ": [

0,

<Hrz1Time>,

<Hrz2Time>,

<Hrz3Time>,

<Hrz4Time>,

<Hrz5Time>,

<Hrz6Time>

],

"speedDistributionOfHRZ": [

0,

<Hrz1Distance>,

<Hrz2Distance>,

<Hrz3Distance>,

<Hrz4Distance>,

<Hrz5Distance>,

<Hrz6Distance>,

],

"asDoubleValueExtraLoad": <ExtraLoadInKilogram>,

"asDoubleValueAverageAltitude": <AltitudeInMetres>

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userID": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"trainingSessionBeans": [

{

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"trainingSessionId": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949\_TRN\_2013\_1",

"startTime": "2013-01-19 03:14:07",

"endTime": "2013-01-19 03:54:07",

"hrz1Time": 0,

"hrz2Time": 3,

"hrz3Time": 14,

"hrz4Time": 10,

"hrz5Time": 2,

"hrz6Time": 0,

"hrz1Distance": 0,

"hrz2Distance": 365,

"hrz3Distance": 1960,

"hrz4Distance": 1500,

"hrz5Distance": 316.67,

"hrz6Distance": 0,

"surfaceIndex": 0,

"vdot": 27.75,

"healthPerceptionIndex": 0,

"muscleStatePerceptionIndex": 0,

"sessionStressPerceptionIndex": 0,

"averageAltitude": 400,

"extraLoad": 3,

"validityStatus": null,

"sessionDuration": 40,

"validForTableInsert": true,

"timeDistributionOfHRZ": [

0,

0,

3,

14,

10,

2,

0

],

"speedDistributionOfHRZ": [

0,

0,

7.3,

8.4,

9,

9.5001,

0

],

"asDoubleValueExtraLoad": 3,

"asDoubleValueAverageAltitude": 400

},

{

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"trainingSessionId": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949\_TRN\_2013\_2",

"startTime": "2013-01-24 03:14:07",

"endTime": "2013-01-24 03:54:07",

"hrz1Time": 0,

"hrz2Time": 3,

"hrz3Time": 14,

"hrz4Time": 10,

"hrz5Time": 2,

"hrz6Time": 0,

"hrz1Distance": 0,

"hrz2Distance": 365,

"hrz3Distance": 1960,

"hrz4Distance": 1500,

"hrz5Distance": 316.67,

"hrz6Distance": 0,

"surfaceIndex": 0,

"vdot": 26.9,

"healthPerceptionIndex": 0,

"muscleStatePerceptionIndex": 0,

"sessionStressPerceptionIndex": 0,

"averageAltitude": 432,

"extraLoad": 0,

"validityStatus": null,

"sessionDuration": 40,

"validForTableInsert": true,

"timeDistributionOfHRZ": [

0,

0,

3,

14,

10,

2,

0

],

"speedDistributionOfHRZ": [

0,

0,

7.3,

8.4,

9,

9.5001,

0

],

"asDoubleValueExtraLoad": 0,

"asDoubleValueAverageAltitude": 432

}

]

}

}

1. Get Training Session using Training Session ID

**Method:**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserID>/trainingSession?trainingSessionID=<TrainingSessionID>&accessToken=<FacebookUserAccessToken>&accessTokenType=facebook

Example:

<http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/trainingSession?trainingSessionID=65503020-f0b7-4bfa-b5d0-8c9fbfc22949_TRN_2013_1&accessToken=CAACEdEose0cBACZBJTbohAwF9bHUJDKSGDPPEZBj7gv6oEkosietGIZBjp1BRk00x3jn7FFuhAbRtGK6tZChSP94COamFpmTrDViJ4rvCMmgPm7t6dNxZBpEbwIdZB95FlGZARMVUPxchdtINK4nOM0DTIfQGWMBrtZCOImz5Pyz6CuRSegWoN8qvMdSMpPhoGAZD&accessTokenType=facebook>

Request Json:

None

Response Json:

{

"status": 200,

"message": "OK",

"obj": {

"userid": <GenieUserID>,

"trainingSessionId": <TrainingSessionID>,

"startTime" : <Timestamp>,

"endTime" : <Timestamp>,

"hrz1Time" : <TimeInMinutes>,

"hrz2Time" : <TimeInMinutes>,

"hrz3Time" : <TimeInMinutes>,

"hrz4Time" : <TimeInMinutes>,

"hrz5Time" : <TimeInMinutes>,

"hrz6Time" : <TimeInMinutes>,

"hrz1Distance" : <DistanceInMetres>,

"hrz2Distance" : <DistanceInMetres>,

"hrz3Distance" : <DistanceInMetres>,

"hrz4Distance" : <DistanceInMetres>,

"hrz5Distance" : <DistanceInMetres>,

"hrz6Distance" : <DistanceInMetres>,

"surfaceIndex" : <SurfaceIndex>,

"healthPerceptionIndex":< HealthPerceptionIndex >,

"muscleStatePerceptionIndex":< MuscleStatePerceptionIndex >,

"sessionStressPerceptionIndex":< SessionStressPerceptionIndex >,

"averageAltitude":< AverageAltitude >,

"extraLoad":< ExtraLoad >

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"trainingSessionId": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949\_TRN\_2013\_1",

"startTime": "2013-01-19 03:14:07",

"endTime": "2013-01-19 03:54:07",

"hrz1Time": 0,

"hrz2Time": 3,

"hrz3Time": 14,

"hrz4Time": 10,

"hrz5Time": 2,

"hrz6Time": 0,

"hrz1Distance": 0,

"hrz2Distance": 365,

"hrz3Distance": 1960,

"hrz4Distance": 316.67,

"hrz5Distance": 0,

"hrz6Distance": 0,

"surfaceIndex": 0,

"muscleIndex": 0,

"sessionIndex": 0,

"healthIndex": 0,

"averageAltitude": 400,

"extraLoad": 3

}

}

1. Get Orthostatic Heartrate Tests in Time Interval

Method:

Get

API:

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserID>/heartrateTest/orthostatic/inTimeInterval?startTimeStamp=<Timestamp>&endTimeStamp=<Timestamp>&accessToken=<FacebookUserAccessToken>&accessTokenType=facebook

Example:

http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/heartrateTest/orthostatic/inTimeInterval?startTimeStamp=2013-09-19 02:54:07.123&endTimeStamp=2013-09-24 20:54:07.123&accessToken=CAACEdEose0cBACZBJTbohAwF9bHUJDKSGDPPEZBj7gv6oEkosietGIZBjp1BRk00x3jn7FFuhAbRtGK6tZChSP94COamFpmTrDViJ4rvCMmgPm7t6dNxZBpEbwIdZB95FlGZARMVUPxchdtINK4nOM0DTIfQGWMBrtZCOImz5Pyz6CuRSegWoN8qvMdSMpPhoGAZD&accessTokenType=facebook

**Request Json:**

None

**Response Json:**

{

"status": 200,

"message": "OK",

"obj": {

"userId": "<GenieUserID>,

"heartrateTests": [

{

"userid": <GenieUserID>,

"heartrateTestId": <HeartrateTestID>,

"heartrateType": <HeartrateType>,

"heartrate": <Heartrate>,

"timeOfRecord": <Timestamp>,

"dayOfRecord": <DayOfRecord>,

"validityStatus": <ValidityStatus>,

"validForTableInsert": <Boolean>

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userId": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"heartrateTests": [

{

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"heartrateTestId": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949\_HRT\_2013\_3",

"heartrateType": 3,

"heartrate": 120,

"timeOfRecord": "2013-09-23 11:00:37",

"dayOfRecord": 1,

"validityStatus": null,

"validForTableInsert": true

},

{

"userid": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949",

"heartrateTestId": "65503020-f0b7-4bfa-b5d0-8c9fbfc22949\_HRT\_2013\_6",

"heartrateType": 3,

"heartrate": 120,

"timeOfRecord": "2013-09-24 11:00:37",

"dayOfRecord": 2,

"validityStatus": null,

"validForTableInsert": true

}

]

}

}

1. Delete User

**Method:**

Delete

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserID>/data/clear

Example:

<http://localhost:8080/smartbeat/v1.0/trainee/id/65503020-f0b7-4bfa-b5d0-8c9fbfc22949/data/clear>

**Request Json:**

None

**Response Json:**

{

"status" : 200,

"message" : "OK"

}

1. Get Trainee IDs

**Method:**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/all?userid=<GenieUserID>&accessToken=<FacebookAccessToken>&accessTokenType=facebook

**Example:**

<http://localhost:8080/smartbeat/v1.0/trainee/all?userid=22222bbbbb&accessToken=accessToken2&accessTokenType=facebook>

**Request JSON:**

None

**ResponseJSON:**

{

"status": 200,

"message": "OK",

"obj": {

"traineeIds": [

{

"userid": <Genie user ID >,

"firstName": <First Name>

},

{

"userid": <Genie user ID >,

"firstName": <First Name>

},

]

}

}

**Example:**

{

"status": 200,

"message": "OK",

"obj": {

"traineeIds": [

{

"userid": "22222bbbbb",

"firstName": "Suresh"

},

{

"userid": "33333ccccc",

"firstName": "Sandra"

},

{

"userid": "ff2d44bb-8af8-46e3-b88f-0cd777ac188e",

"firstName": "Chitra"

}

]

}

}

1. Get Recovery Time

**Method:**

Get

**API:**

http://<Host>:8080/smartbeat/v1.0/trainee/id/<GenieUserId> /recoveryTime?accessToken=<FacebookAccessToken>&accessTokenType=facebook

Example:

<http://localhost:8080/smartbeat/v1.0/trainee/id/ff2d44bb-8af8-46e3-b88f-0cd777ac188e/recoveryTime?accessToken=accessToken1&accessTokenType=facebook>

**Request JSON:**

None

**Response JSON:**

{

"status": 200,

"message": "OK",

"obj": {

"userId": <Genie User ID>,

"recentTrainingSessionId": <Recent Training Session ID>,

"recentMinimumOfHomeostasisIndex": <HI Index>,

"localRegressionMinimumOfHomeostasisIndex": <HI Index>,

"recoveryTime": <Timestamp>

}

}

Example:

{

"status": 200,

"message": "OK",

"obj": {

"userId": "ff2d44bb-8af8-46e3-b88f-0cd777ac188e",

"recentTrainingSessionId": "test2",

"recentMinimumOfHomeostasisIndex": -235.5,

"localRegressionMinimumOfHomeostasisIndex": -235.5,

"recoveryTime": "2013-10-10 11:38:00"

}

}