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Effect of Music Listening on Brake Reaction Time

(A Case Study of Koteshwor - Sallaghari Road Section)

By

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A THESIS

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ABSTRACT

Driver distraction contributes to vehicle accident, with estimates as one half of the crashes being distraction related. This thesis investigates the percentage of accident caused by one of the component of distracted driving i.e. loud music listening and potential distraction of Driver by testing the effect of loud music listening on breaking reaction time and its component, reaction time (RT) and movement time (MT). The test was carried out in Tinkune- Suryabinayak road where Drivers were selected randomly and data collected for three conditions (a) breaking task with no music condition (b) breaking task with mild music condition at (65-75) dB (c) breaking task with loud music condition (75-85) dB. Loud music listening slowed breaking reaction time, mild music has very little effect on breaking reaction time. While reaction time of Drivers have nominal effect of loud music but movement time have increases significantly. Drivers selected for the test have very little effect on RT but slower movement towards break paddle i.e. increase in MT resulting increase in breaking reaction time. The total number of accident caused by loud music listening was calculated by its percentage contribution in accident due to distracted driving. The total number of accident caused by distracted driving is thus calculated by its percentage contribution in total number of accidents.

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ABBREVIATIONS

DA-Distracted Affected

NHTA- National Highway Traffic Administration

BRT- Brake Reaction Time

RT Reaction Time

MT- Movement Time

IOC- Intersection Obstruction Condition

VFC- Vehicle at Front Obstruction Condition

RE-Rear End

HO- Head On

FE-Front End

SS-Side Swapper

HITPED-Hit Pedestrian

T-Truck

B-Bus

C-Car

P-Pedestrian

J-Jeep

V-Van

AMB-Ambulance

TEMP- Tempo

PO-Pole

MR-Microbus

MC-Motor Cycle

CHAPTER-1: INTRODUCTION

1.1Background

According to the World Health Organization more than 1.2 million people die in road crashes each year- the equivalent of one traffic-related fatality every 30 second and another 20-50 million people are injured. The WHO reports that in 2004 road traffic injuries were the leading cause of death of all 15 to 29 year old people. By 2030, road traffic injuries are projected to be the fifth leading cause of death worldwide, surpassing HIV/AIDS, all forms of cancer, violence, and diabetes. The vast majority of global traffic fatality i.e. 91 percent occurs in low income and middle income countries. Driver behavior is responsible for 80-90 percent of these road crashes, meaning that preventable behavior contributes more to fatalities and injuries than road condition or vehicle defects.

One of the most dangerous driver behaviors is the spreading epidemic of distracted driving. Distracted drivers are about 4 times as likely to be involved in crashes as those who are focusing on driving. In 2008, nearly 6000 people in the United States were killed and more than 50000 were injured in crashes involving distracted driving.

Numerous studies have shown that driver distraction contributes to vehicle accidents, with estimates as high as one-half of crashes being distraction-related (Arthur, Barrett, & Alexander, 1991; Arthur & Strong, 1994; Rodgman, 2001; Wang, Knipling, & Goodman, 1996; Wierwille & Tijerina, 1996). Driver distraction occurs when an event causes an attention shift away from the primary task of driving. Drivers frequently engage in various secondary activities while driving, ranging from eating to interacting with passengers, many of which are potentially distracting. With the dramatic rise in the use of cellular telephones and other in-vehicle technologies such as entertainment and navigation systems, concern about driver distraction and its effects on hazard recognition and vehicle control have increased in recent years.

As per National Highway Traffic administration:

Table - 1.1: Fatal crashes, Drivers in Fatal crashes, and Fatalities

Year		Crashes	Drivers	Fatalities
2011	Total	29757	43668	32367
	Distraction Affected (D-A)	3020 (10% of total crashes)	3085 (7% of total Drivers)	3331 (10% of total fatalities)
2013	Total	30057	44574	32719
	Distraction Affected (D-A)	2910 (10% of total crashes)	2959 (7% of total Drivers)	3154 (10% of total fatalities)

Table - 1.2: People killed in Distraction-Affected Crashes:

Year	2011		2013	
Person Type	Killed in Distraction Affected Crashes	Percentage of Distraction Affected Fatalities	Killed in Distraction Affected Crashes	Percentage of Distraction Affected Fatalities
Occupants				
Driver	2024	61%	1898	60%
Passenger	812	24%	776	25%
Total Occupants	2836	85%	2674	85%
Non-occupants				
Pedestrians	408	12%	384	12%
Cyclists	58	2%	74	2%
Other	29	1%	22	1%
Total Non-occupants	495	15%	480	15%

As summarized by Young et al. (2003), there are four types of driver distraction: visual, auditory, bio-mechanical (physical) and cognitive. “Auditory distraction occurs when a driver momentarily or continually focuses their attention on sounds or

auditory signals rather than on the road environment” (Young et al., 2003, p. 2). Spence and Ho (2008) maintain that the more demanding an auditory task, the greater the effect on driving performance. Auditory stimuli are almost always present inside a vehicle. Music, in particular, is an almost ever-present source of background sounds during transportation. Infact; surveys suggest that unaccompanied driving is the most popular and frequently reported setting for listening to music (Brodsky, 2002). Drivers listen to music because they find it enjoyable, relaxing and entertaining, or because it prevents boredom (Dibben & Williamson, 2007). In a survey conducted by Dibben and Williamson, 62% of drivers agreed that music soothed them while driving, and 25% said it aided concentration. Listening to music while driving has been depicted as both distracting as well as beneficial to driving performance. Beneficial effects of listening to music while driving include limiting driver stress in situations of high traffic congestion .Some have also suggested that listening to music while driving may help drivers maintain alertness (Dibben & Williamson, 2007; Stevens & Minton, 2001; Turner, Ferdandez, & Nelson, 1996). On the other hand, listening to music has been described as a principal auditory distracter during the time of driving (Brodsky, 2002). Drivers with recent accidents have been shown to be more likely to listen to music while driving (Dibben & Williamson, 2007). Dibben and Williamson contend that music and road noise can interfere with a driver’s detection of warnings such as sirens, and might elevate accident risk. Slawinski and MacNeil (2002) foundthat the detection of audible warning signals was more adversely affected by the presence of music than road noise alone.

According to Dibben and Williamson (2007), listening to music while driving may increase the demand for driver attention. Listening to music necessitates the processing of sounds and words, and drivers may use “additional resources to tapalong to the rhythm, sing, or recall memories triggered by the music” (Dibben & Williamson, 2007, p. 574). A study by Henry (2006) appears to support the hypothesis that music as a stimulus while driving is distracting. In this case, listening to musiccaused more errors on a simulated driving task than did a no-music condition, though not significantly so unless the music condition followed directly after the no-music condition. Music, both soft and louder, that followed directly after the no-music condition caused significantly worse driving scores. Several studies have evaluated

the effect of music volume on drivers. Research showing that low to moderate intensity music facilitated vigilance performance (Davenport, 1972; Fontaine & Schwalm, 1979) prompted Beh and Hirst (1999) to speculate that because driving requires vigilance, aspects of driving may be aided by background music of low to moderate intensity. Indeed, Beh and Hirst found that low/moderate volume music improved responses on stoplight and vigilance tasks. Moreover, in driving tasks involving tracking and vigilance, music reduced response time to cues located in central vision, but impaired response time to cues presented in the visual periphery, if only under highly demanding driving conditions (Beh & Hirst, 1999). Beh and Hirst's interpretation was that music might help a driver maintain attention on relevant features of the environment rather than on internal thoughts. Increasing music volume has been mentioned as a way for drivers to maintain visual alertness and counter fatigue (Dibben & Williamson, 2007). Turner et al. (1996) investigated the effect of music volume on the response to random, unexpected visual events. Participants responded more quickly when music was played at a moderate volume of 70 dBA, as opposed to either 60 dBA or 80 dBA. Turner et al. noticed that the preferred volume of music was 72 dBA for males and 66 dBA for females, and they suggested that a driver would react faster to unexpected visual events, such as the rear brake lights of a car, if the music was set to his or her preferred volume, rather than above or below this level. Overall, studies tend to report that loud music leads to a decrement in automotive control. Spinney (1997) found that RTs worsened by up to 20% when a person was subjected to loud volumes (95 dBA) as opposed to lower volumes (54 dBA).

1.2 Statement of the problem

Distracted driving is a serious and growing threat to road safety. With more and more people owning mobile phones, and the rapid introduction of new "in-vehicle" communication systems like high volume stereo system, this problem is likely to escalate globally in the coming years, and also to evolve as technologies alter. The convergence of the evidence clearly shows that driver distraction is an important issue for road safety. At the same time, the quality and quantity of existing evidence is insufficient to state with confidence how risky distracted driving is, and among the many distractions, which pose the greatest risk, and under what circumstances.

While the problem of distracted driving may have many causes both internal and external to the vehicle, this document has focused on the risk associated with listening of loud music while driving. It has summarized what is known about interventions, and tried to draw some preliminary recommendations. Loud music listening while driving requires more attention towards driving. While loud music listening the driver is expected to react to the music, regardless of the traffic or driving conditions at that particular moment.

Listening to loud music while driving have number of detrimental effects on driving behavior. Drivers cognitively distracted by having to divide their attention between music listening and tasks relating to driving.

This Study suggest that listening to loud music while driving leads to an increased crash rate by increasing the break reaction/avoid time compared to when a driver is not in the influence of loud music. What is clear is that while the relative impacts of distraction on driving ability may vary by type of music, age, or sex, listening to loud music while driving increases the absolute likelihood of a collision for all drivers.

There are a number of challenges to effectively addressing listening to loud music while driving. Firstly, more work is needed to improve the systematic collection of loud music influence in crash data to assess the extent of the problem in individual countries and to understand more about the distribution of the problem – for example, which groups are most affected, in which geographic areas, at which time periods. These data will allow prevention efforts to be effectively targeted.

1.3 Objectives

The main objective of this research is to investigate the percentage of accident caused by one of the component of distracted driving i.e. loud music listening while driving. The specific objectives are:

- To calculate the variation of break reaction time of driver in different sound condition of music.
- To calculate the change in reaction time and movement time of driver in different sound condition

1.4 Limitations

- This study is limited to analysis of selected route
- The captured data cannot include the analysis of all driver of selected route due to resource constraints
- Drivers were selected randomly
- The data was collected only for 3 days which may not be sufficient to generate required number of data for detail analysis
- Data was collected in the influence of external sound condition
- Data to check different obstruction condition and their effect in break reaction time in presence of music was collected only for three sample which may not be sufficient for full validation of all 27 sample
- Type of music was not same
- Accident data collected was only for four years

1.5 Organization of the report

This report consists of five chapters

The first chapter gives the brief introduction to the topic. It includes background of the study, statement of problem, objectives and limitation of the study.

The second chapter is literature review. This chapter locates this study in existing literatures.

The third chapter provides details on methodology used to conduct this study. It includes procedure for site selection, method of data collection, extraction and analysis.

The fourth chapter is analytical discussion. This chapter presents the analytical results obtained and brief discussion on them.

The fifth chapter provides a comprehensive conclusion and recommendations.

CHAPTER-2: LITERATURE REVIEW

2.1 General

Beginning from the early 50s, the road network has reached 26935km and beginning from the first motorized vehicle in Kathmandu in the year 1901, the total registered vehicle in Nepal has already reached 1,925,434. With this increasing road network and road vehicles, there is increasing numbers of road accidents also. Road accidents have different causes; one of the important causes is driver distraction. The objective of distracted driving and its component study is to find out the influence of different distracting element and their effects on driver and hence to decrease the negative impact of distracted driving and reduce the probability of accidents. Now there is an emerging need of driver distraction and its component study to find out the proportion by which this factor contributes to total accident and to provide some legal way to control accident caused by driver distraction.

2.2 Definition of road accident

According to WHO Accidents are considered to be an unpremeditated event resulting in recognizable damage. The American Safety Council expands the above as "Occurrence in a sequence of events which usually produces unintended injury, death or property damage". Road traffic accidents can be defined as any accident involving any type of road user may it is a person walking, standing, running, riding, driving, travelling or working on the road where either of any motorized or non motorized vehicle is involved.

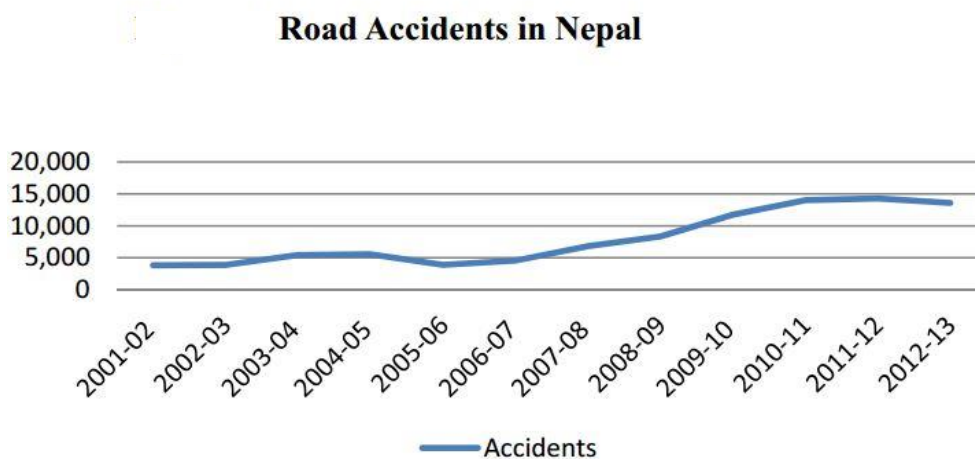


Figure- 2.1: Road accidents in Nepal (*Status paper on road safety in Nepal*)

2.2 Causes of accidents

Excessive speed is the main cause of accident. Along with this, carelessly crossing the road by pedestrians is also the major cause of accident. Similarly, other causes could be the irresponsible behavior of driver, due to drinking alcohol, drugs, overtaking, overload, excessive speed, etc. and to animal's movement in the road. Lack of awareness among people is also related to causes of accident. As per record keeping system of Nepal traffic Police, different causes of road accidents are:

- Reckless driving
- Over speed
- Mechanical problem of vehicle
- Overload
- Drink and Drive
- Overtake
- Traffic signal (Haphazardly crossing of vehicle and pedestrians in traffic signals)
- Vehicle out of control
- Others

Table - 2.1: Traffic accident in Nepal on the basis of cause:

Year	Negligence by driver	Negligence of Pedestrians	Overtaking	High Speed	Drinking and driving	Technical fault of vehicle	Overload	Cattles on the road	Miscellaneous	Total
2007/8	1491	492	546	962	461	310	339	17	19	4623
2008/9	1896	629	569	1066	434	440	434	24	27	5519
2009/10	2351	1011	939	1451	504	523	484	39	11	7277
2011/12	5795	361	528	1453	240	325	104	34	52	8892
Average	2874	623	646	1233	410	400	340	29	27	6581
%	43.7	9.5	9.8	18.7	6.2	6.1	5.2	0.4	0.4	

Source: Traffic Accident Record, Traffic Directorate, Nepal Police, 2013

2.3 Distracted driving

Distracted driving is a behavior dangerous to drivers, passengers, and non-occupants alike. Distraction is a specific type of inattention that occurs when drivers divert their attention from the driving task to focus on some other activity. A distraction-affected crash is any crash in which a driver was identified as distracted at the time of the crash.

Driver distraction is a specific type of driver inattention. Distraction occurs when drivers divert their attention from the driving task to focus on some other activity. Oftentimes, discussion regarding distracted driving center around cell phone use and texting but distracted driving also includes other activities such as eating, talking to other passenger, or adjusting/listening radio/CDs/steros to name but a few. A distraction affected is any crash in which driver was identified as distracted at a time of crash.

According to the National Highway Traffic Safety Administration 2013:

- 10 % of fatal crashes, 18 % of injury crashes, 16 % of all police-reported motor vehicle crashes in 2013 were reported as distraction affected crashes.
- In 2013, there were 3154 people killed and estimated additional 424000 injured in motor vehicle crashes involving driver distraction.
- 10 % of all drivers 15 to 19 years old involved in fatal crashes were reported as distracted at the time of the crash. This age group has the largest proportion of drivers who were distracted at the time of crash.
- In 2013, there were 480 nonoccupants killed in distraction affected crashes.

As per the datas collected from 1995 CDs 13.3 % of accident was due to driver distraction.

An Australian study examined the role of self reported driver distraction in serious road crashes resulting in hospital attendance, and found that distraction was contributing factor in 14 % of crashes.

In canad national data from 2003-2007 show that 10.7 % of all drivers killed or injured were distrected at the time of crash.

In the United States, driver distraction as a result of sources internal to the vehicle was estimated to be responsible for 11 % of national crashes that occurred between 2005

and 2007, although a smaller study involving 100 drivers found that driver involvement in secondary tasks contributed to 22% of all near crashes and crashes. In 2008, driver distraction reported to have been involved in 16 % of all fatal crashes in the United States.

Types of distracted driving:

- Cognitive
- Visual
- Manual(Physical)
- Auditory

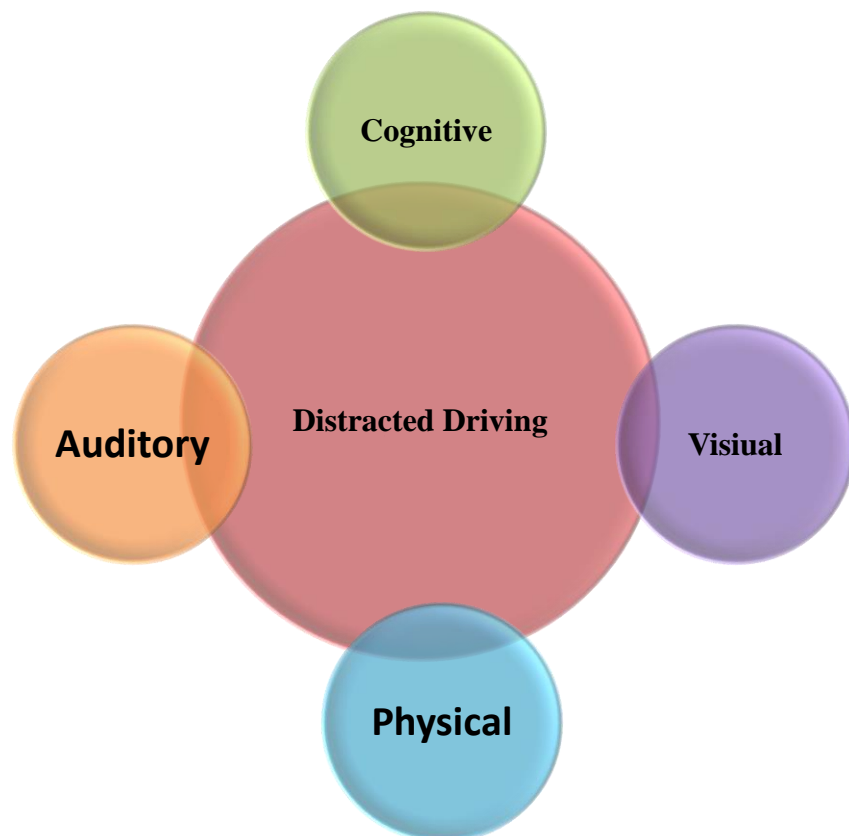


Figure - 2.2: Distracted driving components

Cognitive distraction

Cognitive or mental distraction is when a driver's mind isn't focused on driving. Talking to another passenger or being preoccupied with personal, family, or work-related issues are some examples.

Even drivers listening to their favorite podcast or radio station are at risk; the audio can take drivers' focus away from their driving and overall surroundings.

Visual distraction

Visual distraction occurs when a driver looks at anything other than the road ahead. Drivers who check the kids' seat belts while driving are visually distracted. Electronic devices for the car, such as GPS devices and portable DVDs/digital entertainment systems, also distract drivers.

Manual distraction

Manual distraction is when the driver takes one or both hands off the wheel for any reason. Some common examples include eating and drinking in the car, adjusting the GPS, or trying to get something from a purse, wallet, or briefcase. Texting and driving is particularly dangerous because it involves all 3 mentioned forms.

Auditory distraction

Auditory distraction occurs when a driver momentarily or continually focuses their attention on sounds or auditory signals rather than on the road environment. The more demanding an auditory task, the greater the effect on driving performance and increase in reaction time.

2.3.1 Components of distracted driving

As per Royal Canadian Police survey, distracted driving qualifies as:-

- Talking on a cell phone,
- Texting, reading (e.g. books, maps, and newspapers),
- Using a GPS,
- Watching videos or movies,
- Eating/drinking,
- Smoking, personal grooming,
- Adjusting the radio/CD and playing extremely loud music.
- Even talking to passengers and driving while fatigued (mentally and/or physically)

As per New statistics from the 1995 crashworthiness data system, the percentage contributions of different driver inattention are:

Table - 2.2: Percentage of crashes due to driver inattention.

Data Element	% of driver	% of crashes
Attentive of not distracted	46.6%	28.4%
Looked but did not see	5.6%	9.7%
Distracted by other occupants (specified)	0.9%	1.6%
Distracted by moving object in vehicle (specified)	0.3%	0.5%
Distracted while dialing, talking or listening to cellular phone	0.1%	0.1%
Distracted while adjusting climate controls	0.2%	0.3%
Distracted while adjusting/listening/manipulating radio, cassetts, CDS	1.2%	2.1%
Distracted while using other device/objects in vehicle (specified)	0.1%	0.2%
Sleepy or fall asleep	1.5%	2.6%
Distracted by outside person, object or event (specified)	2.0%	3.2%
Eating or drinking	0.1%	0.2%
Smoking related	0.1%	0.2%
Distracted/Inattentive, details unknown	1.5%	2.6%
Other distraction (specified)	1.3%	2.6%
Unkonwn/No Driver	38.5%	46.0%

Fig: Percentage contribution of different driver inattention, *New Statistics from 1995 crassworthiness data system*

2.4 Total reaction time

The Total reaction time is the amount of time that elapses between the recognition of an object or hazard in the roadway and the application of the brakes. The length of the brake reaction time varies widely between individual drivers. An alert driver may react in less than 1 second, while other drivers may require up to 3.5 seconds.

The brake reaction time depends on an extensive list of variables, including:

- Driver characteristics such as attitude, level of fatigue, and experience.
- environmental conditions such as the clarity of the atmosphere and the time of day

- The properties of the hazard or object itself, such as size, color and movement.

To make highways reasonably safe, the engineer must provide a continuous sight distance equal to or greater than the stopping sight distance. As an integral part of the stopping sight distance, a value for the total reaction time must be assumed. Extensive research has shown that 90% of the driving population can react in 2.5 seconds or less. The brake reaction time normally used in design, therefore, is 2.5 seconds. Both the Total reaction time and the braking distance are used in the calculation of the stopping sight distance.

From the literature, and several hundred field studies and reconstructions, the application of the reaction sequence is recommended in the following equations:

Total Reaction Time (TRT) is equal to Perception-Reaction Time (PRT) + Avoid Time (AT)/Break reaction time

$$TRT = PRT + AT/BRT.$$

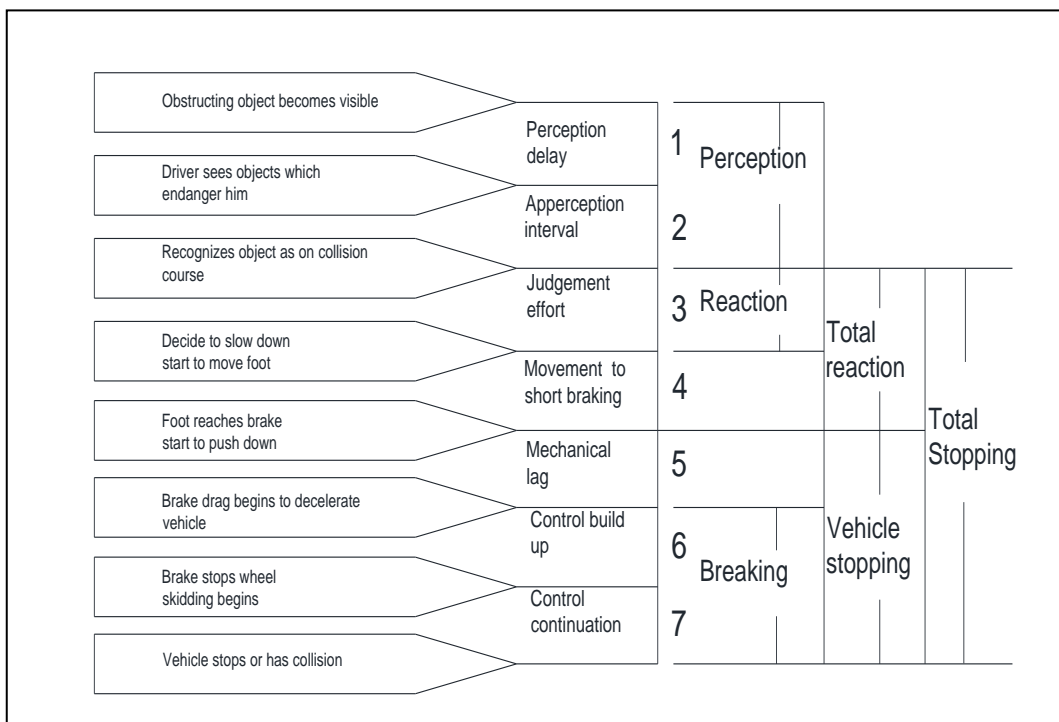
Where,

TRT=Total reaction time

AT/BRT=Avoid time/ Brake reaction time

PRT=Perception reaction time

Chart - 2.1: Total Reaction time chart of driver:



2.4.1 Brake reaction time

Brake reaction time is the sum of the time delay of the driver between judgment effort and movement of foot to short braking. Judgment effort is the time between two activity of the driver, i.e. when a driver recognizes object as on collision course and decides to slowdown the vehicle and start to move foot from accelerator paddle. Movement to short breaking is the time taken by the driver between two activity i.e. time taken by the driver to start to move foot from accelerator paddle and time taken to reach the foot to break paddle and initial application of break. Simply break reaction time of driver can be defined as:

Break reaction time = Reaction time + Movement time

I.e. $BRT=RT+MT$

2.4.1.1 Reaction time

Reaction time of driver is the time taken by the driver to remove foot from accelerator paddle of the vehicle. Reaction time is the time between reorganization of object as on collision course and movement of foot from accelerator paddle.

2.4.1.2 Movement time

Movement time is the time between the initial movement of the foot from the accelerator and the initial application of pressure to the brake pedal.

2.5 Positive effect of music listening while driving

Monotonous Road

As per the study done by Ayca Berfu Ünal when a driver is asked to drive behind another vehicle for half an hour, as expected it becomes very tedious. But the drivers who listened to music were more focused on driving and performed better than those without music. It's fairly logical: people need a certain degree of 'arousal' (a state of being alert caused by external stimulation of the brain) to stop themselves getting bored. In monotonous traffic situations, music is a good distraction that helps you keep your mind on the road."As per Rayner and Horne (1998), sleep-deprived drivers performed better, if only temporarily, while listening to the radio (music tape) than when other or no countermeasures were present.

High Traffic congestion

Beneficial effects of music listening while driving include limiting of driver stress in a situation of high traffic congestion (Wiesenthal, Hennessy, & Totten, 2000), lowering mild driver aggression (Wiesenthal, Hennessy, & Totten, 2003). Some have also suggested that listening to music while driving may help driver maintain alertness (Dibben & Williamson, 2007; Stevens & Minton, 2001; Turner, Ferdandez, & Nelson, 1996). Drivers listen to music because they find it enjoyable, relaxing and entertaining, or because it prevents boredom (Dibben & Williamson, 2007).

CHAPTER-3: METHODOLOGY

3.1 General

To achieve the objective mentioned in chapter one, proper methodology needs to be formulated. This chapter explains the method of site selection, data collection, extraction, analysis and interpretation.

3.2 Sample selection

All the sample/number of taxi driver selected randomly at Koteshwor-Sallaghari road section. Due to resource constraints only 27 samples were selected. The taxi drivers were selected on the basis of music system available in their taxi.

3.3 Site selection

Tinkune- Suryabinayak six lane roads is selected for this study.

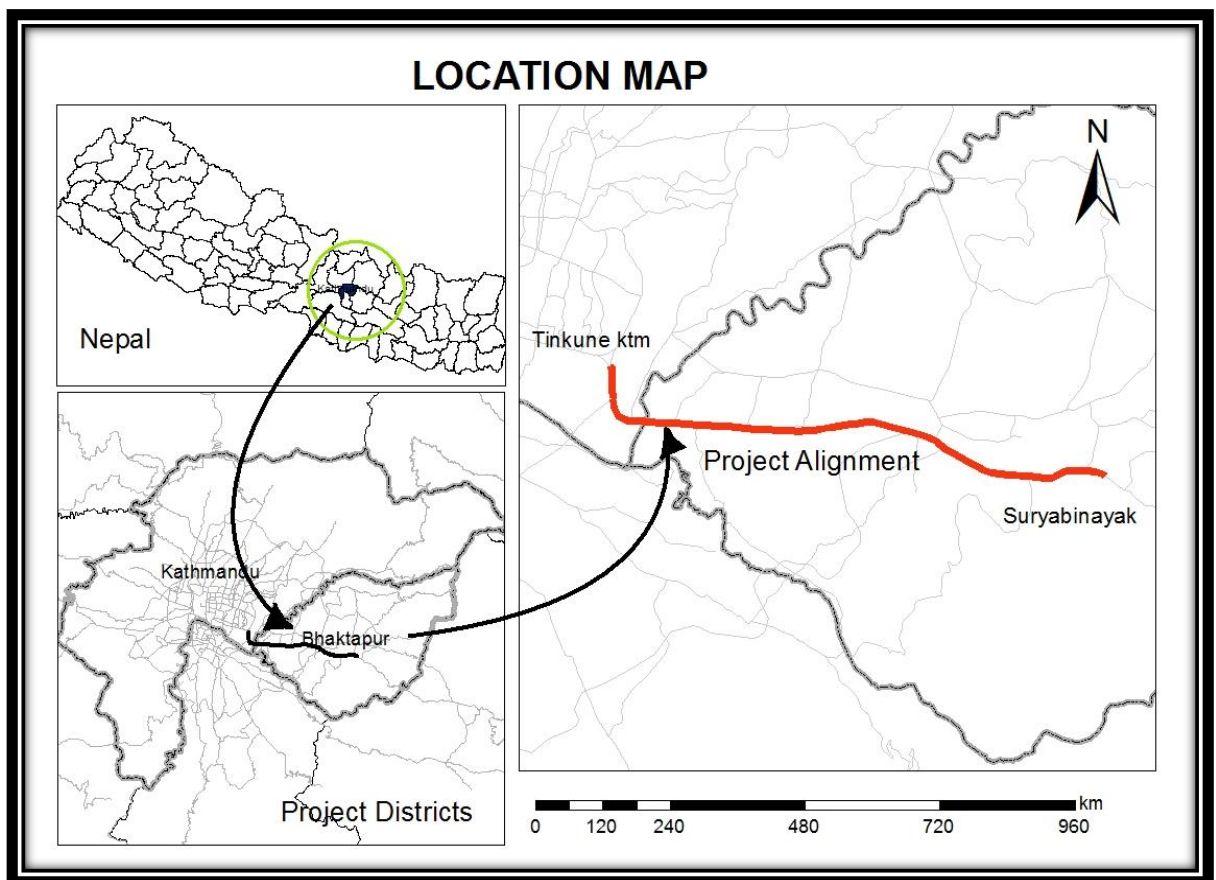


Figure - 3.1: Tinkune-Suryabinayak road location map

Tinkune –Suryabinayak road section was chosen for this study because of following factors:

- High traffic volume: This road section has traffic volume around 8000 vehicles, making it one of the busiest trunk roads in the country linking the northern neighbor China.
- High rate of accidents: This road section has high rate of accident compared to other road section of Kathmandu valley. The total number of accident was shown in below chart.

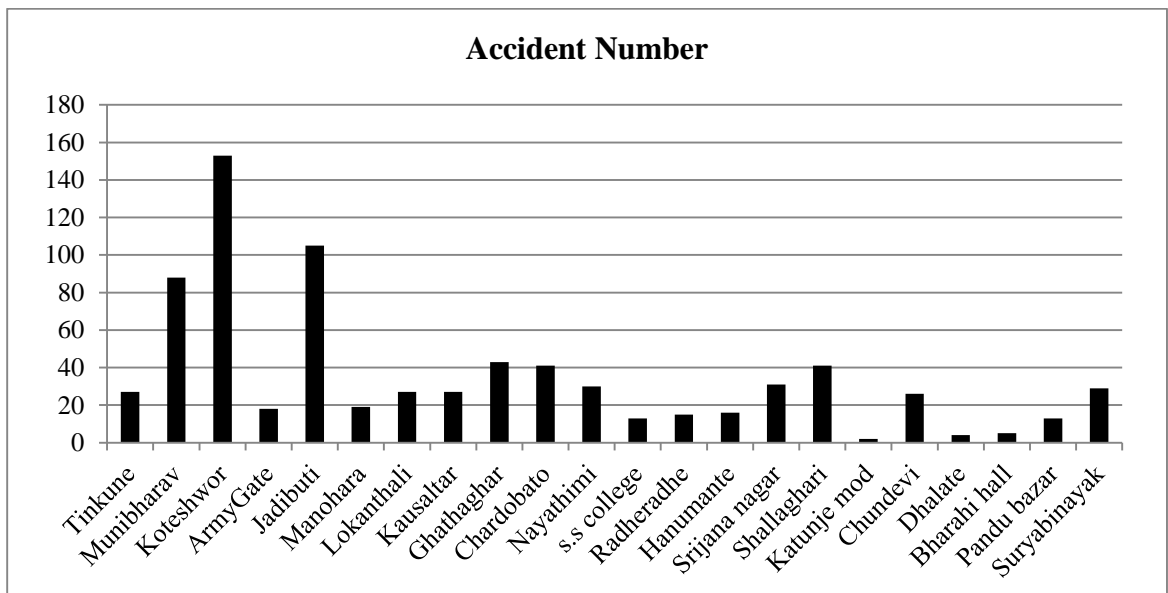


Chart- 3.1: Total number of accident (2067-2070) Tinkune-Suryabinayak road
(source: Traffic police – Koteshwor, Jadibuti, Thimi)

- Typically constructed road than others

Site route details:

- Route: Koteshwor to Sallaghari
- Route length: 7.2 km
- Number of data taken from Koteshwor to Sallaghari : 14
- Number of data taken from Sallaghari to Koteshwor: 13

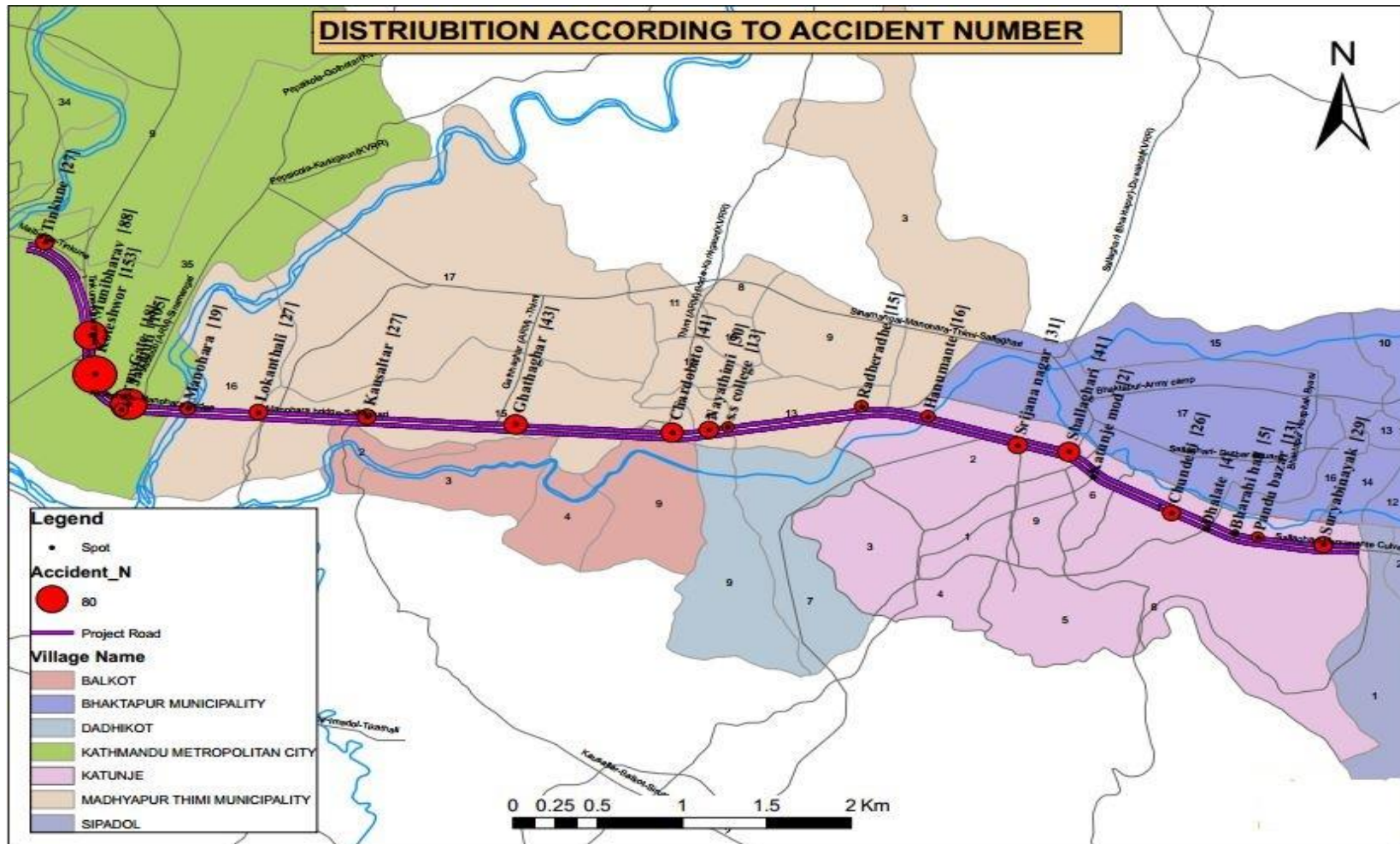


Figure - 3.2: Map showing total number of accidents in Tinkune-Suryabinayak route (Source: Traffic police Kotesshwor)

3.4 Data collection

Firstly a general survey for selection of route site on the basis of passenger car volume, availability of taxi in area and route length was done to finally locate the site route. After site selection randomly taxis were selected on the basis of whether taxi contains a music system or not and whether it had volume setting as per report requirement or not.

After final selection drivers were allowed to drive in three different conditions (a) Driving with no music or sound condition (b) Driving with mild music (65-75) dB condition (c) Driving with loud music (75-85) dB condition. All three conditions were recorded in camera focusing towards the right foot of driver to observe the foot movement of driver from accelerator to break paddle and time taken to move the foot. Sound level was measured using sound meter application of mobile.

Another camera is placed in the taxi to observe the external obstruction to the taxi, e.g. intersections, slow moving vehicle travelling in same line, passenger crossing the roads etc. Total numbers of data taken from Koteshwor to sallaghari were 14 and from Sallaghari to Koteshwor were 13. Total numbers of observation were 27.



Figure - 3.3: First camera setup in taxi to record foot movement of driver



Figure - 3.4: Second camera setup in taxi to record external obstruction condition

3.5 Accident data collection

Accident data of Koteshwor-Sallaghari road was collected from traffic police offices Koteshwor, Jadibuti and Madhyapur Thimi. Total accident number for four year was collected with cause distribution, number of accidents and area of accidents. Accident details were collected for the year 2067 to 2070.

3.6 Data extraction

Required information were extracted by playing the recorded videos simultaneously and recording the time taken by the driver to release foot from accelerator paddle and time taken to move foot to brake paddle with initial application of brake. Following software used for extraction of required information.

- VLC video player (version 2.2.1)
- Sound meter
- Microsoft excel

Recorded videos were played in VLC media player in frame mode, which displays 25 frames per second equivalent to 0.04 second. Total number of frame to release the foot from accelerator paddle was counted, converted to second and recorded as reaction time (RT). Total number of frame to move foot from accelerator paddle with initial application of brake again counted, converted to second and recorded as movement time (MT).

The total number of accident caused by distracted driving is extracted from the accident data of Tinkune to suryabinayak section by calculating the percentage contribution of distracted driving in total number of accidents. Finally total number of accident due to loud music listening was thus calculated by considering percentage contribution of music listening to total number of accident due to distracted driving . Only accidents in which car/van/jeep involved is taken into account as the study was carried out using taxis

3.7 Data Analysis

After getting required reaction time (RT) and movement time (MT) of all driver further analysis were done to calculate brake reaction time (BRT) by adding RT and MT for all three cases i.e. BRT with no music condition, BRT with mild music condition and BRT with loud music condition. Mean brake reaction time were found out considering both music level condition and external obstruction condition.

From complete set of road accident data in Tinkune-Suryabinayak road section, accidents due to car/jeep/van/taxi were segregated and total number of accident due to distracted driving then calculated by multiplying percentage factor of distracted driving with total number of accident due car/jeep/van/taxi. The number of accident due to music listening was then calculated by multiplying percentage factor of music listening with total number of accident due to distracted driving. The weighted thus provided was different from different research articles and in different countries. The weighted provided by NHTSA was thus considered for further calculation in this report.

CHAPTER-4: ANALYSIS AND RESULTS

4.1 General

Data of all three cases were the listed in Microsoft excel after extracting from video player. Mean value of all BRT with music and no music condition were thus calculated to observe the change in BRT with different obstruction condition. Only two obstruction condition were noticed while collecting data viz. (a) Intersection obstruction condition: - person/vehicle crossing in lateral direction (b) Vehicle at front obstruction condition: - slow moving vehicle comes in front of the test vehicle.

Total number of accident due to loud music listening was calculated by providing weighted to total number of accident due to distracted driving. The total number of accident due to distracted driving was thus calculated by providing weighted to total number of accident due to car/jeep/van/taxi in Tinkune-Suryabinyak road section.

4.2 Brake reaction time analysis

Brake reaction time (BRT) calculated for all three conditions of music level and external obstruction conditions. Table and chart showing Mean BRT and change in BRT due to presence of music and obstruction condition were shown below.

Table - 4.1: Complete data sheet of RT, and BRT calculation

Site location:- Koteshwor-Sallaghari / Sallaghari- Koteshwor

Route length:-7.2 KM

Driver no.	Driver Age (yrs)	Reaction time frame no.	No external sound condition							Mild music condition (65-75) dB							Loud music condition (75-85) dB								
			Reaction time (RT) sec	Reaction time (RT) ms	Movement time frame	Movement time (MT) sec	Movement time (MT) ms	Brake reaction time (BRT=RT+T) sec	Brake reaction time (BRT=RT+T) ms	Reaction time no.	Reaction time (RT) sec	Reaction time (RT) ms	Movement time frame	Movement time (MT) sec	Movement time (MT) ms	Brake reaction time (BRT=RT+T) sec	Brake reaction time (BRT=RT+T) ms	Reaction time frame no.	Reaction time (RT) sec	Reaction time (RT) ms	Movement time frame	Movement time (MT) sec	Movement time (MT) ms	Brake reaction time (BRT=RT+T) sec	Brake reaction time (BRT=RT+T) ms
1	37	5	0.2	200	7	0.28	280	0.48	480	4	0.16	160	7	0.28	280	0.44	440	4	0.16	160	10	0.4	400	0.56	560
2	35	3	0.12	120	8	0.32	320	0.44	440	3	0.12	120	7	0.28	280	0.4	400	5	0.2	200	11	0.44	440	0.64	640
3	40	4	0.16	160	7	0.28	280	0.44	440	3	0.12	120	8	0.32	320	0.44	440	3	0.12	120	8	0.32	320	0.44	440
4	42	6	0.24	240	9	0.36	360	0.6	600	4	0.16	160	9	0.36	360	0.52	520	4	0.16	160	10	0.4	400	0.56	560
5	28	3	0.12	120	8	0.32	320	0.44	440	3	0.12	120	9	0.36	360	0.48	480	4	0.16	160	11	0.44	440	0.6	600
6	39	3	0.12	120	6	0.24	240	0.36	360	3	0.12	120	9	0.36	360	0.48	480	3	0.12	120	9	0.36	360	0.48	480
7	43	4	0.16	160	6	0.24	240	0.4	400	4	0.16	160	6	0.24	240	0.4	400	3	0.12	120	7	0.28	280	0.4	400
8	39	4	0.16	160	7	0.28	280	0.44	440	3	0.12	120	9	0.36	360	0.48	480	3	0.12	120	9	0.36	360	0.48	480
9	32	3	0.12	120	8	0.32	320	0.44	440	3	0.12	120	8	0.32	320	0.44	440	3	0.12	120	9	0.36	360	0.48	480
10	44	3	0.12	120	7	0.28	280	0.4	400	4	0.16	160	7	0.28	280	0.44	440	3	0.12	120	8	0.32	320	0.44	440
11	36	3	0.12	120	7	0.28	280	0.4	400	3	0.12	120	9	0.36	360	0.48	480	4	0.16	160	8	0.32	320	0.48	480
12	39	5	0.2	200	10	0.4	400	0.6	600	4	0.16	160	9	0.36	360	0.52	520	4	0.16	160	10	0.4	400	0.56	560
13	36	3	0.12	120	7	0.28	280	0.4	400	3	0.12	120	7	0.28	280	0.4	400	3	0.12	120	9	0.36	360	0.48	480
14	37	3	0.12	120	9	0.36	360	0.48	480	3	0.12	120	8	0.32	320	0.44	440	3	0.12	120	9	0.36	360	0.48	480
15	31	3	0.12	120	10	0.4	400	0.52	520	4	0.16	160	11	0.44	440	0.6	600	4	0.16	160	10	0.4	400	0.56	560
16	29	3	0.12	120	7	0.28	280	0.4	400	3	0.12	120	7	0.28	280	0.4	400	4	0.16	160	8	0.32	320	0.48	480
17	34	3	0.12	120	6	0.24	240	0.36	360	3	0.12	120	7	0.28	280	0.4	400	3	0.12	120	7	0.28	280	0.4	400
18	32	4	0.16	160	7	0.28	280	0.44	440	4	0.16	160	7	0.28	280	0.44	440	4	0.16	160	8	0.32	320	0.48	480
19	27	4	0.16	160	7	0.28	280	0.44	440	4	0.16	160	7	0.28	280	0.44	440	4	0.16	160	8	0.32	320	0.48	480
20	30	4	0.16	160	11	0.44	440	0.6	600	4	0.16	160	9	0.36	360	0.52	520	4	0.16	160	10	0.4	400	0.56	560
21	32	4	0.16	160	7	0.28	280	0.44	440	4	0.16	160	8	0.32	320	0.48	480	5	0.2	200	8	0.32	320	0.52	520
22	36	3	0.12	120	8	0.32	320	0.44	440	3	0.12	120	8	0.32	320	0.44	440	4	0.16	160	8	0.32	320	0.48	480
23	29	4	0.16	160	6	0.24	240	0.4	400	4	0.16	160	7	0.28	280	0.44	440	4	0.16	160	8	0.32	320	0.48	480
24	35	5	0.2	200	9	0.36	360	0.56	560	4	0.16	160	9	0.36	360	0.52	520	4	0.16	160	11	0.44	440	0.6	600
25	24	3	0.12	120	6	0.24	240	0.36	360	3	0.12	120	7	0.28	280	0.4	400	3	0.12	120	8	0.32	320	0.44	440
26	30	3	0.12	120	6	0.24	240	0.36	360	3	0.12	120	6	0.24	240	0.36	360	4	0.16	160	7	0.28	280	0.44	440
27	32	3	0.12	120	6	0.24	240	0.36	360	3	0.12	120	6	0.24	240	0.36	360	3	0.12	120	7	0.28	280	0.4	400

Where,

$$\text{BRT} = \text{RT} + \text{MT}$$

BRT= brake reaction time

RT= reaction time

MT= movement time

4.2.1 Mean BRT calculation with external obstruction condition

Mean BRT were calculated with presence of music condition and external obstruction condition. During data collection only two types of obstruction condition were observed.

- Intersection obstruction condition: Passenger and vehicle crossing laterally forces driver to slowdown the test vehicle.
- Vehicle at front obstruction condition: Slow moving vehicle comes in front of the test vehicle forces driver to slowdown the test vehicle.

Charts and table for Conditional mean BRT calculation were listed below.

Table - 4.2: Conditional mean BRT calculation

Break reaction time of Drivers in different condition of Music and Obstruction condition

S.no	No Music Condition		Mild Music Condition (65-75dB)		Loud Music Condition (75-85dB)	
	Intersection	Vehicle at front	Intersection	Vehicle at front	Intersection	Vehicle at front
1	480	440	440	440	480	560
2	440	600	520	400	560	640
3	440	440	480	440	520	440
4	600	440	440	520	480	560
5	440	400	440	480	480	400
6	360	560	520	480	600	480
7	400	360	400	400	440	360
8	440	360	360	480	440	480
9	440	360	360	440	600	480
10	400			440		440
11	400			480		480
12	600			520		560
13	400			400		480
14	480			440		480
15	520			600		560
16	400			400		480
17	360			400		400
18	440			440		480
Total time	8040	3960	3960	8200	4600	8760
Number of sample	18	9	9	18	9	18
Mean	446.67	440	440	455.56	511.11	486.67
Total % reduction in time due to presence of music (%)	0	0	-1.49	3.54	14.43	10.61

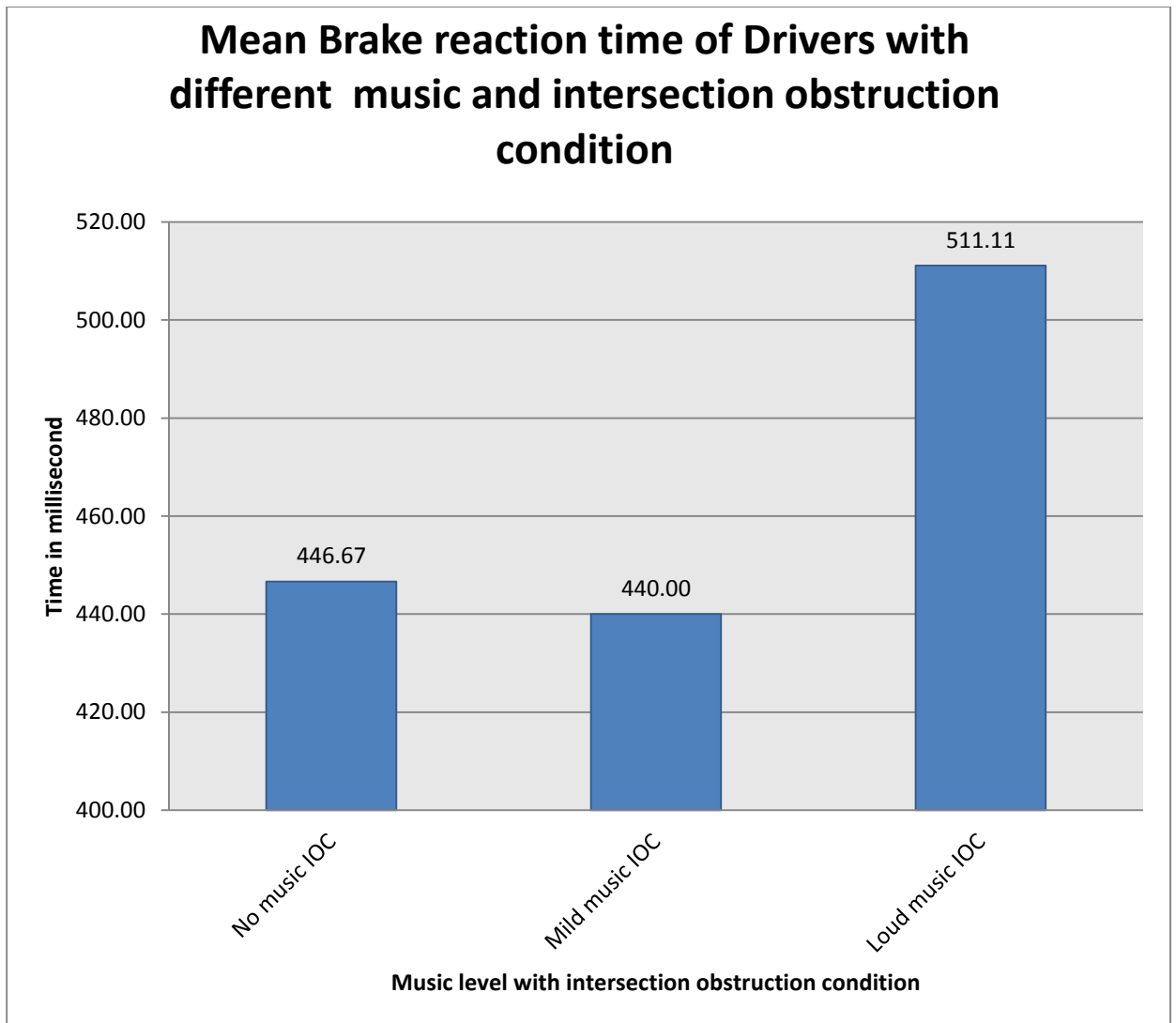


Chart - 4.1: BRT in presence of different level of music and intersection obstruction condition

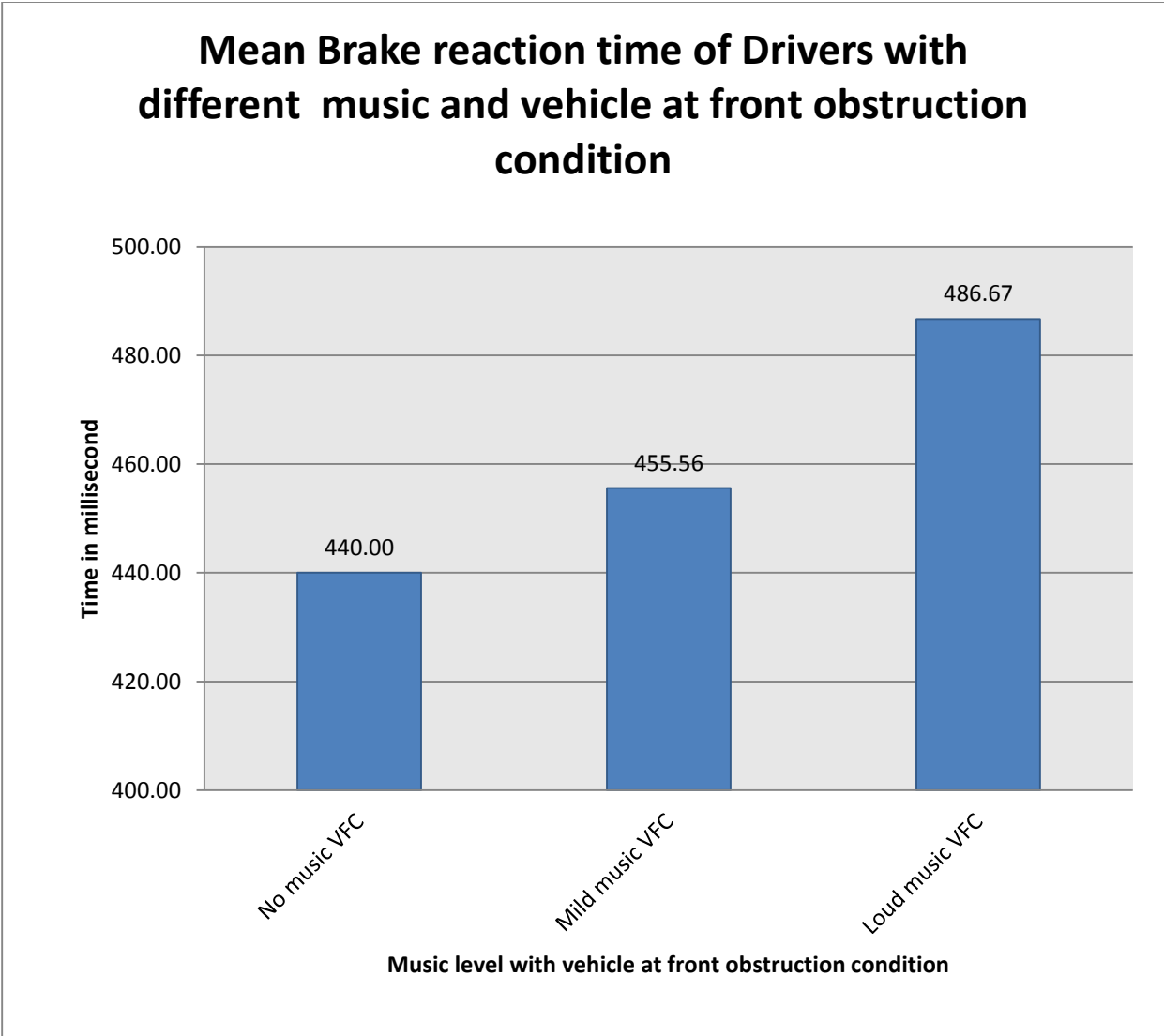


Chart - 4.2: BRT in presence of different music level and vehicle at front obstruction condition

4.3 Accident data analysis

Accident data then analysed by calculating percentage of fatal crashes caused by loud music listening, which was calculated by multiplying the weighted of distracted driving to total number of accident and number of accident due to loud music listening by multiplying its weighted by number of accident caused due to distraction affected driving.

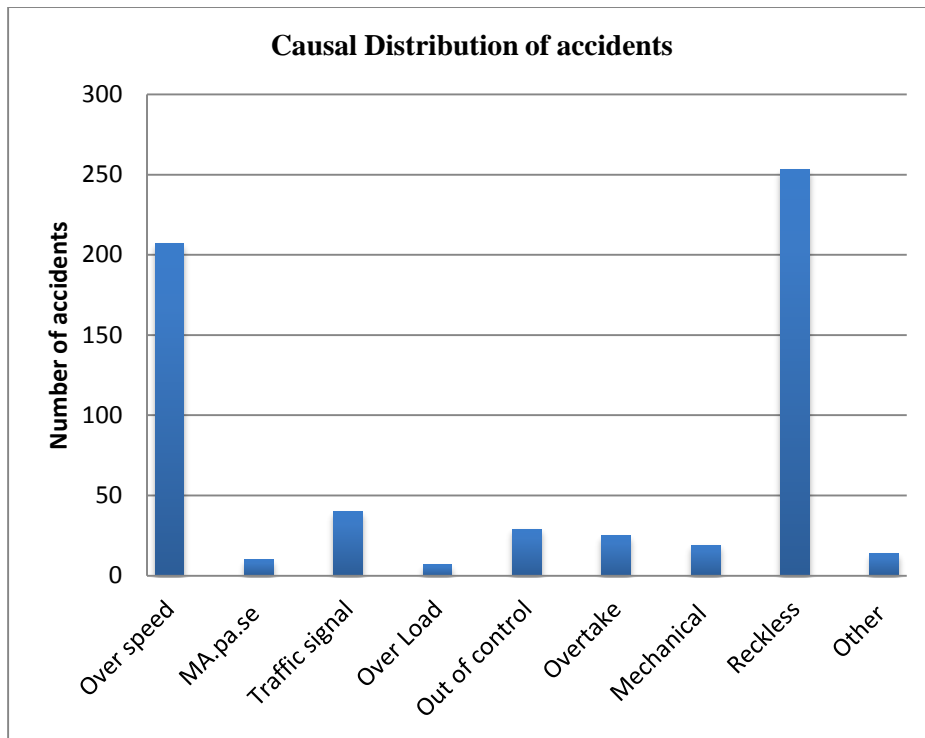


Chart - 4.3: Causal distribution of accident on Tinkune-Suryabinayak road section

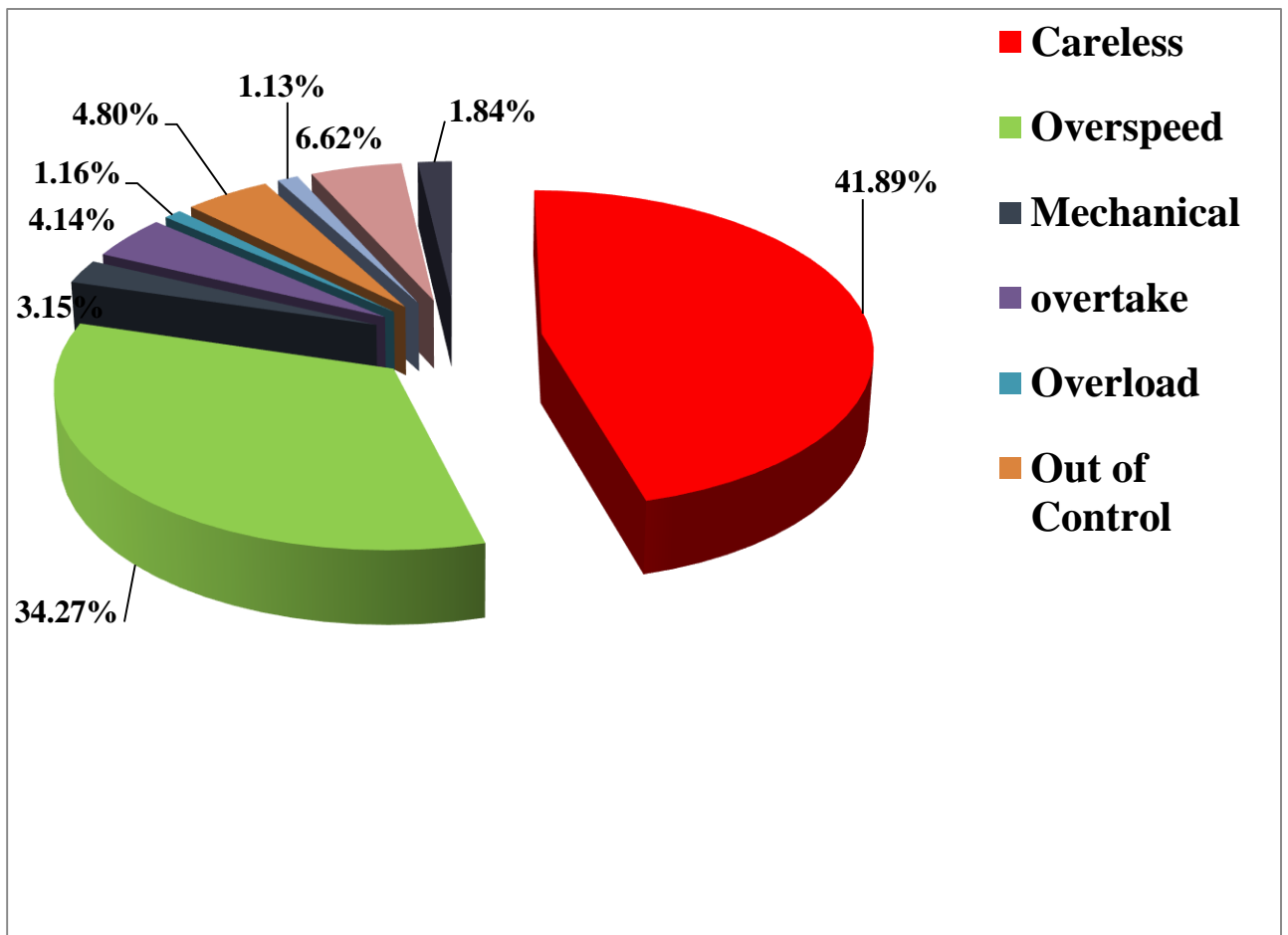


Figure - 4.6: Causal distribution of accident on Tinkune-Suryabinayak road section

						SEVERITY						Property Damage	Remarks
						FATAL		SERIOUS INJ.		MINOR INJ.			
DATE	LOCATION	DIST	VEH.INV	ACCI. TYPE	ACCI.CAUSE	male	female	male2	female3	male4	female5		
067/4/6	Armygate	Ktm	C+C	RE	Overtake							Both damage	Major inj
067/4/8	Koteshwor	Ktm	J+MC	RE	Overtake							MC damage	Major inj
067/4/12	Koteshwor	Ktm	C+D	Strike	Out of control							C damage	Major inj
067/4/20	Koteshwor	Ktm	C+T	RE	Reckless							C damage	Major inj
067/4/27	Koteshwor	Ktm	Mr+V	RE	Overtake							Mr damage	Major inj
067/4/30	Tinkune	Ktm	J+T	RE	Overtake							T damage	Major inj
067/4/31	Koteshwor	Ktm	B+C	Collision	Reckless							C damage	Major inj
067/5/2	Armygate	Ktm	Te+V+P	Collision	Overspeed			1					Major inj
067/5/16	Armygate	Ktm	B+C	RE	Overtake							C damage	Major inj
067/5/16	Koteshwor	Ktm	C+TX	RE	Overtake							C damage	Major inj
067/5/18	Armygate	Ktm	C+T	Collision	Reckless							C damage	Major inj
067/5/31	Koteshwor	Ktm	C+V	Collision	Traffic signal							C damage	Major inj
067/6/7	Munibhairab	Ktm	CY+C	Collision	Reckless			1				CY damage	Major inj
067/6/10	Koteshwor	Ktm	T+C	RE	Reckless							C damage	Major inj
067/6/10	Jadibuti	Ktm	C+Mr+MC	RE	Ma.Pa.Se							All damage	Major inj
067/6/27	Munibhairab	Ktm	C+D	Strike	Reckless							Both damage	Major inj
067/7/1	Munibhairab	Ktm	Te+C	RE	Overtake							Both damage	Major inj
067/7/2	Koteshwor	Ktm	Mr+C	Collision	Reckless							C damage	Major inj
067/7/8	Koteshwor	Ktm	J+B	RE	Overspeed							J damage	Major inj
067/7/11	Koteshwor	Ktm	MC+C	RE	Overspeed							MC damage	Major inj
067/7/19	Koteshwor	Ktm	Amb+V	RE	Overtake								Major inj
067/7/24	Koteshwor	Ktm	CO+C	HO	Reckless							C damage	Major inj

067/7/26	Tinkune	Ktm	C+MC	HO	Overspeed	1						MC-damage	Major inj
067/7/27	Koteshwor	Ktm	B+C	HO	Overspeed							C damage	Major inj
067/8/11	Koteshwor	Ktm	MC+TX+C	RE	Overtake			1				MC damage	Major inj
068/4/7	Koteshwor	Ktm	C+Te	RE	Overtake							C damage	No inj
068/4/7	Jadibuti	Ktm	C+TX	HO	Ma.Pa.se							Both damage	No injury
068/4/13	Koteshwor	Ktm	TX+C	Collision	Overspeed					1		Both damage	Minor inj
068/4/15	Tinkune	Ktm	B+C+TX	Collision	Overspeed							Both damage	No injury
068/4/18	Munibhairab	ktm	Te+V	FE	Mechanical					1		Both damage	Minor inj
068/4/19	Koteshwor	Ktm	C+B	Collision	Overtake							Both damage	No inj
068/4/20	Koteshwor	Ktm	C+MC	Collision	Reckless							Both damage	No inj
068/4/21	Radhe Radhe	Bkt	C+B	HITPED+RE	Reckless							Both damage	No inj
068/4/24	Radhe Radhe	Bkt	TX	HITPED+RE	Out of control							TX damage	No inj
068/4/26	Radhe Radhe	Bkt	J+T	HITPED+RE	Overspeed							Both damage	No inj
068/4/28	Tinkune	Ktm	C+B	FE	Overspeed							C damage	No injury
068/5/4	Tinkune	Ktm	V+T	Collision	Overspeed							V damage	No injury
068/5/5	Jadibuti	Ktm	C+T	Collision	Overspeed							C damage	No injury
068/5/6	Koteshwor	Ktm	C+T	HO	Overtake							Both damage	No inj
068/5/14	Koteshwor	Ktm	C+C	Collision	Overspeed							Both damage	No inj
068/5/15	Suryabinayak	Bkt	B+C	Collision	Reckless							Both damage	No inj
068/5/16	Sallaghari	Bkt	B+V	FE	Overspeed							Both damage	No inj
068/5/20	Suryabinayak	Bkt	MC+C	RE	Overspeed					1		Both damage	Minor inj
068/6/2	Koteshwor	Ktm	MC+C	HO	Overspeed							C damage	No inj
068/6/5	Munibhairab	ktm	J+MC	HO	Overtake					2		C damage	Minor inj
068/6/7	Chundevi	Bkt	T+C	Collision	Overtake							C damage	No inj
068/6/16	Naya Thimi	Bkt	C+P	HITPED	Overspeed						1		Minor inj
068/6/28	Srijana Nagar	Bkt	J+C	RE	Overspeed							C damage	No inj

068/7/1	Munibhairab	ktm	MC+J	Collision	Overspeed					2		Both damage	Minor inj
068/7/3	Hanumante P	Bkt	J	Collision	Mechanical							J damage	No inj
068/7/4	Jadibuti	Ktm	MC+C	Collision	Reckless							MC damage	Major inj
068/7/28	Tinkune	Ktm	C+B	Collision	Reckless							Both damage	No injury
068/8/1	Koteshwor	Ktm	C+B	FE	Overspeed							C damage	No inj
068/8/3	Koteshwor	Ktm	V+P	HITPED	Reckless					1		No damage	Minor inj
068/8/5	Munibhairab	ktm	MR+C	Collision	Reckless							Both damage	No inj
068/8/6	Koteshwor	Ktm	C+B	FE	Reckless							Both damage	No inj
068/8/10	Chundevi	Bkt	T+C	RE	Overtake					1		C damage	Minor inj
068/8/15	Chundevi	Bkt	MC+C	HO	Overspeed					1		Both damage	Minor inj
068/8/16	Koteshwor	Ktm	C+D	Strike	Out of control							C damage	No inj
068/8/21	Chundevi	Bkt	Tri+J	RE	Reckless							J damage	No inj
068/8/25	Naya Thimi	Bkt	C+C+Amb	FE	Reckless							All damage	No inj
068/8/25	Naya Thimi	Bkt	T+C	RE	Reckless					1		C damage	Minor inj
068/9/5	Chardobato	Bkt	MC+C	Others	Overspeed					1		Both-damage	Major inj
068/9/5	Chardobato	Bkt	Mc+J	Collision	Out of control					2	1	All damage	Major inj
068/9/6	Koteshwor	Ktm	C+B	HO	Overspeed							B damage	No inj
068/9/7	Hanumante P	Bkt	MC+C	FE	Overspeed							C damage	No inj
068/9/13	Naya Thimi	Bkt	C+B	HO	Reckless							Both damage	No inj
068/9/13	Jadibuti	Ktm	C+MC	HO	Overspeed					1		Both damage	Major inj
068/9/15	Sallaghari	Bkt	C+B	HO	Reckless							Both damage	No inj
068/9/15	Naya Thimi	Bkt	B+C+MC	HO	Reckless							All damage	No inj
068/9/15	Jadibuti	Ktm	TX+P	HITPED	Overspeed		1					No damage	Major inj
068/9/17	Naya Thimi	Bkt	MC+C	HO	Reckless							Both damage	No inj
068/9/20	Chundevi	Bkt	J+T	FE	Overspeed					1		Both damage	Minor inj
068/9/22	Pandubazar	Bkt	C+B	RE	Reckless							Both damage	No inj

068/10/2	Hanumante P	Bkt	C+MC	RE	Reckless					1			Minor inj
068/10/3	Koteshwor	Ktm	J+MC	RE	Overspeed							Both damage	No inj
068/10/4	Munibhairab	ktm	C+T	Collision	Overspeed							Both damage	No inj
068/10/7	Srijana Nagar	Bkt	J+MC	RE	Overspeed					2		Both damage	Minor inj
068/10/14	Koteshwor	Ktm	C+C	RE	Overspeed							Both damage	No inj
068/11/2	Jadibuti	Ktm	T+TX	RE	Overtake							T X damage	Major inj
068/11/4	Munibhairab	ktm	B+TX	RE	overload							TX damage	No inj
068/11/4	Chundevi	Bkt	C+MC	HO	Overspeed								Minor inj
068/11/18	Munibhairab	ktm	TX+MC	HO	Overspeed							TX damage	No inj
068/11/25	Koteshwor	Ktm	J+Tri	RE	Reckless							Both damage	No inj
068/11/26	Suryabinayak	Bkt	T+C	Collision	Overtake					1			Minor inj
068/12/1	Koteshwor	Ktm	C+P	HITPED	Reckless					1		No damage	Minor inj
068/12/10	Jadibuti	Ktm	T+TX	HO	Reckless							Both damage	Major inj
068/12/11	Jadibuti	Ktm	C+R	Strike	Overspeed					1		R.damage	Major inj
068/12/12	Pandubazar	Bkt	Tri+J	HO	Reckless					1			Minor inj
068/12/19	Koteshwor	Ktm	C+Tri	RE	Overspeed							C damage	No inj
068/12/22	Koteshwor	Ktm	C+Po	Strike	Overspeed							C damage	No inj
068/12/23	Koteshwor	Ktm	C+B	RE	Reckless							C damage	No inj
068/12/29	Munibhairab	ktm	Te+C	RE	Reckless							Both damage	No inj
068/12/30	Jadibuti	Ktm	TX+T	RE	Traffic signal							Both damage	No inj
068/12/30	Hanumante P	Bkt	J+MC	Collision	Overspeed					1			Minor inj
069/1/3	Chundevi	Bkt	J+P	HITPED	Reckless								Minor inj
069/1/3	Koteshwor	Ktm	TX+P	HITPED	Reckless						1	No Damage	Minor inj
069/1/6	Koteshwor	Ktm	C+B	Collision	Overspeed							C damage	No inj
069/1/9	Bharahi hall	Bkt	Tri+J	Collision	Reckless								
069/1/12	Koteshwor	Ktm	TX+T	RE	Reckless							TX damage	No inj

069/1/12	Munibhairab	ktm	C+MC	HO	Overspeed								Both damage	No inj
069/1/13	Koteshwor	Ktm	TX+MC	HO	Others								Both damage	No inj
069/1/25	Koteshwor	Ktm	B+C	Collision	Overtake									
069/1/25	Srijana Nagar	Bkt	C+MC	Re	Reckless					1				Minor inj
069/2/6	Chundevi	Bkt	V+Bar	Strike	Overspeed								5-pole damage	
069/3/29	Sallaghari	Bkt	C+D	Collision	Ma.Pa.Se									No inj
069/4/1	Srijana Nagar	Bkt	C+TX	Collision	Reckless					1				Minor inj
069/4/10	Jadibuti	Ktm	MC+C	Collision	Others								Both-damage	No inj
069/4/10	Lokanthali	Bkt	C	Collision	Overspeed					1				Minor inj
0694/11	Koteshwor	Ktm	C+MC	FE	Traffic signal					1			MC damage	Minor inj
069/4/11	Koteshwor	Ktm	J+MC	Collision	Others			1	1				MC damage	Major inj
069/4/12	Jadibuti	Ktm	B+J	RE	Reckless								J damage	No inj
069/4/14	Lokanthali	Bkt	C+MC	RE	Reckless					2				Minor inj
069/4/17	Kausaltar	Bkt	C+MC	RE	Reckless					2				Minor inj
069/4/22	Kausaltar	Bkt	TX+MC	FE	Overspeed								Both damage	No inj
069/4/22	Sallaghari	Bkt	MC+J	Collision	Reckless					1				Minor inj
069/4/23	Munibhairab	Ktm	C+D	Collision	Ma.Pa.Se								MC damage	No inj
069/4/28	Munibhairab	Ktm	CY+C+V+CY	RE	Traffic signal					2	1		All damage	Minor inj
069/5/9	Kausaltar	Bkt	T+C	RE	Reckless								Both damage	No inj
069/5/10	Koteshwor	Ktm	MC+V	RE	Reckless								MC damage	No inj
069/5/10	Srijana Nagar	Bkt	J+R	Strike	Ma.Pa.Se			1						Major inj
069/5/13	Suryabinayak	Bkt	B+C	HO	Others								Both damage	No inj
069/5/15	S.S college	Bkt	J+MC	RE	Reckless					1			MC damage	minor inj
069/5/16	Koteshwor	Ktm	C+B	Collision	Reckless								MC damage	Minor inj

069/5/21	Koteshwor	Ktm	V+P	HITPED	Reckless				1				Major inj
069/5/23	Koteshwor	Ktm	J+T	Collision	Reckless							J damage	No inj
069/5/25	Chundevi	Bkt	C+P	HITPED	Overspeed								Fatal
069/5/25	Kausaltar	Bkt	C+MC	Collision	Reckless							C damage	No inj
069/6/1	Kausaltar	Bkt	MC+J+C	RE	Reckless					1		Both damage	Minor inj
069/6/1	Munibhairab	Ktm	MC+J	Collision	Overtake			1				Both damage	Minor inj
069/6/2	Chundevi	Bkt	Con+C+R	RE+Strike	Overspeed					1		All damage	Minor inj
069/6/5	Jadibuti	Ktm	MC+MC+J	Collision	Reckless							Both damage	Minor inj
069/6/7	S.S college	Bkt	C+D	Strike	Mechanical						1		minor inj
069/6/12	Bharahi hall	Bkt	J+MC	HO	Reckless			1		1			Major inj
069/6/14	Munibhairab	Ktm	B+C	RE	Ma.Pa.Se							C damage	No inj
069/6/16	Jadibuti	Ktm	C+MC	Collision	Reckless					1			Minor inj
069/6/18	Munibhairab	Ktm	TX+C	Collision	Reckless				1				Minor inj
069/6/18	Munibhairab	Ktm	Tx+c	Collision	Reckless				1				Minor inj
069/6/24	Pandubazar	Bkt	MC+C	RE	Overspeed							Both damage	No inj
069/6/28	Gathaghar	Bkt	C	SS	Overspeed								No inj
069/7/1	Koteshwor	Ktm	V+C	Collision	Ma.Pa.Se							C damage	No inj
069/7/1	Armygate	Ktm	J+MC	Collision	Overspeed							Both damage	Major inj
069/7/2	Gathaghar	Bkt	MC+J	RE	Overspeed					1		Both damage	Minor inj
069/7/9	Jadibuti	Ktm	B+C+T	Collision	Overspeed								No inj
069/7/11	Lokanthali	Bkt	C+MC+C	RE	Overspeed					2			Minor inj
069/7/17	Koteshwor	Ktm	C+T	Collision	Overspeed							C damage	No inj
069/8/2	Armygate	Ktm	TX+C	Collision	Others							Both damage	No inj
069/8/4	Jadibuti	Ktm	TX+P	HITPED	Reckless				1				Minor inj
069/8/6	Kausaltar	Bkt	MC+C	SS	Reckless					1			Minor inj
069/8/21	Gathaghar	Bkt	MR+V	RE	Overspeed							Both damage	No inj

069/9/3	Jadibuti	Ktm	T+C	Collision	Overspeed							Both damage	Minor inj
069/9/8	Jadibuti	Ktm	C+B	FE	Traffic signal							Both damage	No inj
069/9/9	Koteshwor	Ktm	J+B	Collision	Traffic signal							Both damage	No inj
069/9/17	Lokanthali	Bkt	J+MC	RE	Overspeed							Both damage	No inj
069/9/18	Munibhairab	Ktm	TX+J	Collision	Overspeed							Both damage	No inj
069/9/18	koteshwor	Ktm	C+T	RE	Overspeed							C damage	No inj
069/9/23	Munibhairab	Ktm	V+MC	Collision	Overspeed							MC damage	No inj
069/10/3	Kausaltar	Bkt	V+A	Collision	Reckless							Both damage	No inj
069/10/4	Koteshwor	Ktm	C+MC+V	Collision	Traffic signal		1					All damage	Major inj
069/10/7	Chardobato	Bkt	MC+C	Collision	Reckless				2			Both damage	Minor inj
069/10/10	Munibhairab	Ktm	V+Te	Collision	Overspeed				1			Both damage	Minor inj
069/10/23	Lokanthali	Bkt	C+C	RE	Reckless							Both damage	No inj
069/11/5	Manahara	Bkt	T+C	Collision	Overtake							Both	No inj
069/11/16	Lokanthali	Bkt	C	SS	Out of control				1			C damage	Minor inj
069/11/25	Munibhairab	Ktm	B+V	RE	Reckless								No inj
069/11/30	Munibhairab	Ktm	C+P	HITPED	Reckless					1			Minor inj
069/12/10	Chardobato	Bkt	MC+C	RE	Reckless				1			Both damage	minor inj
069/12/16	Kausaltar	Bkt	C+L	RE	Reckless								No inj
069/12/17	Chardobato	Bkt	C+V	HO	Reckless							Both damage	No inj
069/12/17	Kausaltar	Bkt	J+V	RE	Overspeed				1			Both damage	Minor inj
069/12/28	Chardobato	Bkt	C+P	HITPED	Overspeed				1				Minor inj
070/1/9	Chardobato	Bkt	MC+C	RE	Reckless				1	1			Minor inj
070/1/10	Jadibuti	Ktm	J+V	Collision	Overtake								No inj
070/1/9	Chardobato	Bkt	MC+C	RE	Reckless				1	1			Minor inj
070/1/26	Gathaghar	Bkt	MC+C	RE	Reckless							Both damage	No inj
070/2/9	Jadibuti	Ktm	V+C	Collision	Out of control								Fatal

070/3/2	Jadibuti	Ktm	V+B	Collision	Reckless							Both damage	No inj
070/3/18	Gathaghar	Bkt	B+V	RE	Overspeed							Both damage	No inj
070/4/1	Radhe Radhe	Bkt	MC+V	HITPED+RE	Reckless				1			Both damage	Minor inj
070/4/10	Jadibuti	Ktm	C+MC	Collision	Reckless					1		C damage	Minor inj
070/4/11	Koteshwor	Ktm	V+Te	Collision	Reckless							Both damage	No inj
070/4/11	Suryabinayak	Bkt	C+MC	RE	Reckless					1		Both damage	Minor inj
070/4/12	Naya Thimi	Bkt	TX+P	HITPED	Reckless					1			Minor inj
070/4/14	tinkune	Ktm	C+B	Collision	Traffic signal							Both damage	No inj
070/4/17	Naya Thimi	Bkt	J+P	HITPED	Overspeed					1			Minor inj
070/4/17	Sallaghari	Bkt	MC+C	HO	Overspeed								No inj
070/4/17	Lokanthali	Bkt	C+B	RE	Reckless								No inj
070/4/28	Koteshwor	Ktm	C+Te	HO	Overspeed							Both damage	No inj
070/4/28	Sallaghari	Bkt	MC+V	RE	Traffic signal					2			Minor inj
070/4/28	Koteshwor	Ktm	C+B	RE	Reckless							C damage	No inj
070/4/28	Tinkune	Ktm	TX+CY	Collision	Overspeed					1		CY damage	Minor inj
070/4/29	Chundevi	Bkt	MT+C	FE	Overspeed					1		C damage	Minor inj
070/5/18	Koteshwor	Ktm	C+Tra	Collision	Reckless							C damage	No inj
070/5/18	Koteshwor	Ktm	C+T	RE	Traffic signal							C damage	No inj
070/5/18	Koteshwor	Ktm	C+MC	Collision	Ma.Pa.Se							Both damage	No inj
070/5/21	Koteshwor	Ktm	C+T	RE	Reckless							C damage	No inj
070/5/21	Munibhairab	Ktm	C+D	Strike	Reckless							C damage	No inj
070/5/21	Srijana Nagar	Bkt	C+MC	RE	Overspeed					1		C damage	Minor inj
070/5/25	Chardobato	Bkt	MC+C	FE	Overspeed						1	C damage	Minor inj
070/5/30	Munibhairab	Ktm	C+B	Collision	Traffic signal					2		Both damage	Minor inj
070/5/31	Radhe Radhe	Bkt	MC+P+C	HITPED+RE	Reckless					1			Minor inj
070/6/2	Suryabinayak	Bkt	MC+V	HO	Reckless					1		Both damage	Minor inj

070/6/5	Gathaghar	Bkt	C+Tri	RE	Reckless							Both damage	No inj
070/6/5	Manahara	Bkt	J+MC	RE	Reckless					1		MC damage	Minor inj
070/6/13	Koteshwor	Ktm	C+T		Reckless				2			Both damage	Minor inj
070/6/20	S.S College	Bkt	MC+C	HO	Overspeed				1				Minor inj
070/6/21	S.S College	Bkt	MC+C	RE	Overspeed								Fatal
070/6/21	Chardobato	Bkt	C+MC	SS	Overtake				1			Both damage	Minor inj
070/6/25	Jadibuti	Ktm	TX+T	RE	Overspeed							Both damage	No inj
070/7/2	Munibhairab	Ktm	C	SS	Out of control				1			C damage	Minor inj
070/7/5	Koteshwor	Ktm	MC+C	RE	Reckless				1			MC damage	Minor inj
070/7/6	Koteshwor	Ktm	C+Board	SS	Others				2			C damage	Minor inj
070/7/6	Chardobato	Bkt	MC+TX+C	RE	Others							C+TX damage	No inj
070/7/8	Chardobato	Bkt	J+P	HITPED	Reckless				1				Minor inj
070/7/9	Suryabinayak	Bkt	TX+P	HITPED	Overspeed								Fatal
070/7/16	Lokanthali	Bkt	MC+C	RE	Overspeed							C damage	No inj
070/7/18	S.S College	Bkt	B+J	RE	Reckless				1				Minor inj
070/7/19	Munibhairab	Ktm	MC+J	HO	Reckless				1			Both damage	Minor inj
070/7/25	Srijana Nagar	Bkt	V+MC	RE	Reckless				1			Both damage	Minor inj
070/7/25	Munibhairab	Ktm	C+P	HITPED	Traffic signal				1				Minor inj
070/7/26	Jadibuti	Ktm	C+J	RE	Overspeed							C damage	No inj
070/7/27	Koteshwor	Ktm	TX+C	Collision	Ma.Pa.Se							C damage	No inj
070/8/2	Armygate	Ktm	TX+TX	HO	Reckless				1	1		Both damage	Minor inj
070/8/4	Chardobato	Bkt	B+C	HO	Reckless								No inj
070/8/7	Sallaghari	Bkt	C+C	Collision	Reckless							Both damage	No inj
070/8/7	Jadibuti	Ktm	TX+MC	HO	Reckless				1			Both damage	No inj
070/8/10	Koteshwor	Ktm	MC+C	RE	Reckless							Both damage	No inj
070/8/10	Koteshwor	Ktm	C+B	RE	Traffic signal							Both damage	No inj

070/8/10	Gathaghar	Bkt	V	Strike	Mechanical					1		V damage	Minor inj
070/8/11	Suryabinayak	Bkt	J+D	Strike	Overspeed							J damage	No inj
070/8/11	Jadibuti	Ktm	T+C	RE	Overtake							C damage	No inj
070/8/15	Gathaghar	Bkt	B+C	RE	Reckless					2		Both damage	Minor inj
070/8/15	Naya Thimi	Bkt	C+MC	Collision	Ma.Pa.Se							Both damage	No inj
070/8/16	Sallaghari	Bkt	C+R	Strike	Out of control							Both damage	No inj
070/8/21	Munibhairab	Ktm	C+MC	RE	Traffic signal							Both damage	No inj
070/8/26	Kausaltar	Bkt	J+MC	HO	Overspeed					1		MC damage	Minor inj
069/8/26	Jadibuti	Ktm	C+B	RE	Overspeed							C damage	No inj
070/8/26	Koteshwor	Ktm	C+B	RE	Mechanical							C damage	No inj
070/8/29	Koteshwor	Ktm	C+Te	HO	Reckless							Both damage	No inj
070/9/3	Munibhairab	Ktm	C+B	RE	Traffic signal							Both damage	No inj
070/9/20	Tinkune	Ktm	V+MC	RE	Reckless							Both damage	No inj
070/9/27	Manahara	Bkt	C+MC	HO	Reckless							Both damage	No inj
070/9/28	Lokanthali	Bkt	C+B	RE	Reckless							Both damage	No inj
070/9/29	Jadibuti	Ktm	C+T	RE	Overtake							Both damage	No inj
070/10/4	Suryabinayak	Bkt	MT+C	Collision	Reckless							Both damage	
070/10/5	Jadibuti	Ktm	C+J	RE	Overspeed							Both damage	No inj
070/10/7	Jadibuti	Ktm	V+C	RE	Reckless							Both damage	No inj
070/10/9	Srijana Nagar	Bkt	C+P	HITPED	Reckless					1			Minor inj
070/10/9	Gathaghar	Bkt	MC+J	RE	Reckless					1			Minor inj
070/10/26	Chundevi	Bkt	J+R	Strike	Out of control					1		Both damage	No inj
070/11/7	Koteshwor	Ktm	C+MC	HO	Reckless					1		Both damage	Minor inj
070/11/9	Koteshwor	Ktm	C+Te	RE	Traffic signal							C damage	No inj
070/11/17	Koteshwor	Ktm	T+C	RE	Reckless							C damage	No inj

Total number of accident due to the car/taxi/jeep/van	1	0	8	6	90	11
Total number of accident due to distracted driving as per NHTSA (2013)	0.10		1.44	1.08	16.20	1.98
Total number of accident due to loud music listening as per crasswrthiness data system 1995	0.0021		0.0302	0.0227	0.3402	0.0416
% of accident due to loud music listening	0.21		0.38	0.38	0.38	0.38

4.3Result

From the above chart and table it is clear that with same obstruction condition, presence of loud music increases brake reaction time causing more chances to accidents. Presence of loud music with intersection obstruction condition worsens the break reaction time by **14.43 %** and with vehicle at front obstruction condition break reaction time worsens by **10.61 %**.

From the above chart and data sheet it is clear that in Tinkune-Suryabinayak road section **0.21 %** fatal crashes and **0.38 %** major/minor accident were caused by one of the component of distracted driving that is loud music listening while driving.

CHAPTER-5: CONCLUSION

5.1 Conclusion from the study

The purpose of this study was to investigate the percentage of accident caused by one of the component of distracted driving i.e. loud music listening while driving and percentage change in brake reaction time with its subcomponent reaction time and movement time. The result shows that presence of loud music listening with different obstruction condition slows down the break reaction time and increasing the chances of accident. BRT is worsen by **14.43%** with intersection obstruction condition in presence of loud music and **10.61 %** with vehicle at front obstruction condition in presence of loud music.

As the major objective of this study was to investigate the percentage of accident caused by loud music listening, Due to time, budget and availability of data constraint it was not possible to conduct study throughout the route of Kathmandu valley, just one route Tinkune-suryabinayak route was considered with only four year of accident data. It is found that loud music listening while driving contributes **0.21 %** of total fatal crashes and **0.38 %** of major/minor injury in Tinkune-Surybinayak road section.

5.2 Recommendation

With the effort to investigate the percentage of accident caused by one of the component of distracted driving that is loud music listening while driving as the main objective through this research, its scope would be widened to enhance the road safety with the following recommendations:

- The literature reviews and the results show that there is strong relationship between loud music listening while driving and accidents. Hence it is strongly recommended from this study that there should be control on loud music listening while driving to minimize the drivers distraction and hence accident caused by loud music listening.
- It is found that there is significant increase in drivers brake reaction time with different obstruction condition when driving in presence of loud music listening, so control measure should be implemented to restrict listening of high volume stereo while driving.

5.3 Further research

This is the initial step towards the investigation of percentage of accident caused by loud music listening while driving for Nepalese highways, despite of data insufficiency for this type of research work. Followings are some recommendations for further research in distracted driving and its components study and their contribution in accidents.

- As the percentage of accident was obtained by considering weighted oprovided by NHTSA and New statistics from the 1995 crashwoerthiness data system which may not be suitable for the road/traffic condition of Nepal. This was done due to unavailability of proper data related to distracted driving and loud music listening. Proper data may result some more realistic value.
- The type of music thus selected for this study was not uniform. One can study the effect of particular type of music on brake reaction time and its contribution on road accident.

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Appendix: Accidentdata

						SEVERITY									
						FATAL		SERIOUS INJ.		MINOR INJ.		LIVESTOCK			
TIME	LOCATION	DIST	VEH.INV	ACCL. TYPE	ACCL.CAUSE	male	female	Male	female	male	female	fatal	Injury	Property Damage	Remarks
11:30	Munibhairab	Ktm	Te	SS	Out of control	1									Major inj
20:30	Jadibuti	Ktm	B+T	HO	Reckless									Both damage	Major inj
17:30	Koteshwor	Ktm	B+MC	HO	Reckless	1									Major inj
20:15	Armygate	Ktm	C+C	RE	Overtake`									Both damage	Major inj
21:30	Jadibuti	Ktm	T+B	RE	Reckless									Both damage	Major inj
16:30	Koteshwor	Ktm	J+MC	RE	Overtake									MC damage	Major inj
9:30	Koteshwor	Ktm	MC+MC	HO	Overspeed				1					Both damage	Major inj
17:00	Tinkune	Ktm	MC+P	HITPED	Traffic signal	1									Major inj
13:00	Jadibuti	Ktm	B	Others	Overload	1									Major inj
21:45	Koteshwor	Ktm	C+D	Strike	Out of control									C damage	Major inj
17:00	Koteshwor	Ktm	C+T	RE	Reckless									C damage	Major inj
19:15	Armygate	Ktm	T+Te	Collision	Reckless									Cart damage	Major inj
23:00	Armygate	Ktm	MC+MC	Collision	Ma.Pa.Se									Both damage	Major inj
14:15	Munibhairab	Ktm	T+MC	Collision	Traffic signal	1									Major inj
10:00	Munibhairab	Ktm	B+P	HITPED	Reckless	1									Major inj
10:00	Koteshwor	Ktm	Mr+V	RE	Overtake									Mr damage	Major inj
17:00	Koteshwor	Ktm	Mr+D	Strike	Out of control									Mr damage	Major inj
14:30	Jadibuti	Ktm	T+MC	RE	Reckless		1								Major inj
16:00	Tinkune	Ktm	J+T	RE	Overtake									T damage	Major inj
17:00	Jadibuti	Ktm	MC+P	HITPED	Reckless				1						Major inj
20:00	Koteshwor	Ktm	B+C	Collision	Reckless									C damage	Major inj

15:00	Koteshwor	Ktm	MC+P	HITPED	Traffic signal	1												Major inj
17:00	Jadibuti	Ktm	MC+MC	Collision	Overtake	1												Major inj
18:00	Jadibuti	Ktm	T+P	HITPED	Reckless	1												Major inj
7:00	Koteshwor	Ktm	MC+Mr	FE	Overtake				1								MC damage	Major inj
20:00	Armygate	Ktm	Te+V+P	Collision	Overspeed				1									Major inj
19:45	Jadibuti	Ktm	Te	SS	Out of control				1									Major inj
13:30	Koteshwor	Ktm	B+MC	FE	Reckless				1								MC damage	Major inj
14:00	Munibhairab	Ktm	Mr+B	RE	Reckless												Mr damage	Major inj
18:20	Jadibuti	Ktm	B+MC	RE	Overtake												MC damage	Major inj
5:40	Manahara	Ktm	CY+CY	Collision	Reckless					1								Major inj
11:00	Koteshwor	Ktm	MC+T	FE	Overtake												MC damage	Major inj
13:00	Armygate	Ktm	Mr+MC	RE	Reckless												MC damage	Major inj
8:40	Koteshwor	Ktm	B+CY	Collision	Reckless				1								CY damage	Major inj
10:30	Armygate	Ktm	B+C	RE	Overtake												C damage	Major inj
17:00	Koteshwor	Ktm	C+TX	RE	Overtake												C damage	Major inj
16:00	Armygate	Ktm	C+T	Collision	Reckless												C damage	Major inj
11:45	Jadibuti	Ktm	MC+T	Collision	Overspeed				1								MC damage	Major inj
16:20	Jadibuti	Ktm	CY+B	Collision	Reckless												CY damage	Major inj
9:30	Koteshwor	Ktm	C+V	Collision	Traffic signal												C damage	Major inj
11:30	Koteshwor	Ktm	MC+B	FE	Reckless				1									Major inj
15:00	Munibhairab	Ktm	CY+C	Collision	Reckless				1								CY damage	Major inj
14:30	Munibhairab	Ktm	MC	SS	out of control	1											MC-damage	Major inj
18:00	Koteshwor	Ktm	T+C	RE	Reckless												C damage	Major inj
19:30	Jadibuti	Ktm	C+Mr+MC	RE	Ma.Pa.Se												All damage	Major inj
14:45	Koteshwor	Ktm	MC+P	HITPED	Traffic signal				1									Major inj
10:45	Munibhairab	Ktm	C+D+T	Strike	Overspeed												T damage	Major inj

5:30	Koteshwor	Ktm	MC	SS	Out of control			1						MC damage	Major inj
16:45	Tinkune	Ktm	MC+P	HITPED	Reckless		1								Major inj
12:30	Jadibuti	Ktm	MC+P	HITPED	Reckless				1						Major inj
22:50	Munibhairab	Ktm	MC	SS	Out of control			1							Major inj
19:13	Tinkune	Ktm	MC+P	HITPED	Reckless			1							Major inj
18:00	Jadibuti	Ktm	T+Po	Strike	Reckless									T damage	Major inj
16:30	Koteshwor	Ktm	MC+P	HITPED	Reckless				1						Major inj
20:45	Munibhairab	Ktm	C+D	Strike	Reckless									Both damage	Major inj
18:15	Munibhairab	Ktm	Te+C	RE	Overtake									Both damage	Major inj
19:15	Koteshwor	Ktm	Mr+C	Collision	Reckless									C damage	Major inj
10:10	Koteshwor	Ktm	J+B	RE	Overspeed									J damage	Major inj
19:35	Tinkune	Ktm	MC+P	Collision	Overtake	1								MC-damage	Major inj
18:30	Koteshwor	Ktm	MC+C	RE	Overspeed									MC damage	Major inj
21:00	Munibhairab	Ktm	Mr+MC	Collision	Reckless	1								MC-damage	Major inj
11:45	Jadibuti	Ktm	MC+B	Collision	Reckless			1							Major inj
12:30	Munibhairab	Ktm	Mr+Te	HO	Reckless										Major inj
10:30	Munibhairab	Ktm	MC	SS	Out of control			1							Major inj
13:00	Koteshwor	Ktm	Amb+V	RE	Overtake										Major inj
5:15	Koteshwor	Ktm	CO+C	HO	Reckless									C damage	Major inj
9:00	Koteshwor	Ktm	MC+P	HITPED	Ma.Pa.Se	1									Major inj
21:00	Tinkune	Ktm	C+MC	HO	Overspeed	1								MC-damage	Major inj
18:30	Koteshwor	Ktm	B+C	HO	Overspeed									C damage	Major inj
11:30	Koteshwor	Ktm	T+MC	HO	Overspeed	1								MC damage	Major inj
13:45	Tinkune	Ktm	C+B	RE	Overtake									C damage	Major inj
19:40	Koteshwor	Ktm	MC+B	RE	Overtake			1						MC damage	Major inj
8:30	Koteshwor	Ktm	MC+P	HITPED	Traffic signal			1							Major inj

12:00	Munibhairab	Ktm	MC+MC	Collision	Reckless									Both damage	Major inj
12:20	Tinkune	Ktm	MC+B	RE	Overspeed									MC damage	Major inj
17:35	Koteshwor	Ktm	MC+P	HITPED	Overspeed			1							Major inj
7:00	Koteshwor	Ktm	Mr+MC	FE	Reckless			1						MC damage	Major inj
20:15	Koteshwor	Ktm	MC+TX+C	RE	Overtake			1						MC damage	Major inj
4:00	Sallaghari	Bkt	MC+MC	RE	Reckless					1				Both MC damage	Major inj
8:30	Jadibuti	Ktm	B+B	RE	Overload									Both damage	Major inj
16:00	Jadibuti	Ktm	MC+P	HITPED	Reckless					1				No damage	Major inj
5:00	Naya Thimi	Bkt	Tri+Con	HO	Reckless									Both damage	No inj
14:00	Koteshwor	Ktm	S+T	Collision	Overspeed									Both damage	No inj
17:00	Koteshwor	Ktm	C+Te	RE	Overtake									C damage	No inj
23:50	Jadibuti	Ktm	C+TX	HO	Ma.Pa.se									Both damage	No injury
15:05	Tinkune	Ktm	Amb+MC	FE	Reckless					1				Both damage	Minor inj
23:20	Koteshwor	Ktm	TX+C	Collision	Overspeed					1				Both damage	Minor inj
16:45	Tinkune	Ktm	B+C+TX	Collision	Overspeed									Both damage	No injury
11:45	Tinkune	Ktm	MC+B	RE	Overload					2				Both damage	Minor inj
16:00	Jadibuti	Ktm	C+V	Collision	Reckless					2				Both damage	Minor inj
8:30	Munibhairab	ktm	Mr+S	HO	Overload									Both damage	No inj
15:30	Munibhairab	ktm	Te+V	FE	Mechanical					1				Both damage	Minor inj
7:45	Jadibuti	Ktm	MC+MC	Collision	Reckless					2				Both damage	Minor inj
18:00	Koteshwor	Ktm	C+B	Collision	Overtake									Both damage	No inj
20:30	Koteshwor	Ktm	C+MC	Collision	Reckless									Both damage	No inj
8:00	Radhe Radhe	Bkt	C+B	HITPED+RE	Reckless									Both damage	No inj
16:35	Koteshwor	Ktm	S+B	Collision	Overtake					1				Both damage	Minor inj
17:00	Radhe Radhe	Bkt	TX	HITPED+RE	Out of control									TX damage	No inj

16:30	Koteshwor	Ktm	B+T	Collision	Overload									Both damage	No inj
18:30	Munibhairab	ktm	MC+B	HO	Overspeed				1					MC damage	Minor inj
21:20	Radhe Radhe	Bkt	J+T	HITPED+RE	Overspeed									Both damage	No inj
12:20	Tinkune	Ktm	C+B	FE	Overspeed									C damage	No injury
18:10	Tinkune	Ktm	S+B	FE	Reckless					1				S damage	Minor inj
13:30	Jadibuti	Ktm	B+P	HITPED	Reckless				1					No damage	Minor inj
21:30	Koteshwor	Ktm	S+B	Collision	Overload					1				No damage	Minor inj
10:00	Tinkune	Ktm	MC+TE	Collision	Reckless				2					No damage	Minor inj
10:30	Koteshwor	Ktm	MC+T	HO	Overtake									MC damage	No inj
8:00	Jadibuti	Ktm	MC+P	HITPED	Reckless				1					No damage	Minor inj
22:25	Tinkune	Ktm	V+T	Collision	Overspeed									V damage	No injury
13:00	Naya Thimi	Bkt	B+P	HITPED	Overspeed				1						Minor inj
19:55	Jadibuti	Ktm	C+T	Collision	Overspeed									C damage	No injury
19:00	Koteshwor	Ktm	C+T	HO	Overtake									Both damage	No inj
19:30	Koteshwor	Ktm	C+C	Collision	Overspeed									Both damage	No inj
13:30	Suryabinayak	Bkt	B+C	Collision	Reckless									Both damage	No inj
16:30	Sallaghari	Bkt	B+V	FE	Overspeed									Both damage	No inj
19:00	S.S college	Bkt	B+MC	RE	Reckless			1						MC damage	Major inj
17:00	Suryabinayak	Bkt	MC+C	RE	Overspeed				1					Both damage	Minor inj
18:15	Jadibuti	Ktm	T+P	HITPED	Reckless			1						No damage	Major inj
18:00	Tinkune	Ktm	Tri+C	Collision	Overspeed									Both damage	No injury
16:30	Suryabinayak	Bkt	B+MC	RE	Overspeed				1						Minor inj
15:00	Tinkune	Ktm	MC+TE	HO	Overspeed									MC damage	No injury
14:00	Suryabinayak	Bkt	B+Tr	RE	Overspeed									B damage	No inj
16:00	Koteshwor	Ktm	MC+C	HO	Overspeed									C damage	No inj
11:20	Koteshwor	Ktm	MC+B	Collision	Overspeed									Both damage	No inj

22:30	Munibhairab	ktm	J+MC	HO	Overtake					2				C damage	Minor inj
9:10	Sallaghari	Bkt	B+D	Collision	Reckless									B damage	No inj
18:00	Chundevi	Bkt	T+C	Collision	Overtake									C damage	No inj
19:00	Sallaghari	Bkt	MC+MC	HO	Overspeed					1					Minor inj
21:10	Jadibuti	Ktm	MC+P	HITPED	Reckless				1					No damage	Major inj
6:30	Jadibuti	Ktm	P+MC	RE	Overspeed					1	1			No damage	Major inj
7:00	Sallaghari	Bkt	B+P	HITPED	Overspeed					1					Minor inj
21:30	Munibhairab	ktm	MC+D	Strike	Overspeed			2						MC damage	Major inj
13:50	Naya Thimi	Bkt	C+P	HITPED	Overspeed						1				Minor inj
15:35	Suryabinayak	Bkt	T+B	RE	Reckless									Both damage	No inj
14:40	Radhe Radhe	Bkt	MC+J	HITPED+RE	Overtake					1					Minor inj
20:00	Koteshwor	Ktm	MC+Mr	RE	Overtake									Both damage	No inj
13:00	Suryabinayak	Bkt	MC+P	HITPED	Reckless						1				Minor inj
21:30	Munibhairab	ktm	MC+R	Strike	Overspeed					1				MC damage	Minor inj
20:30	Srijana Nagar	Bkt	J+C	RE	Overspeed									C damage	No inj
6:40	Suryabinayak	Bkt	B	Collision	Reckless									B+P damage	No inj
15:30	Tinkune	Ktm	MC+D	Strike	Overspeed					1				MC damage	Minor inj
18:30	Jadibuti	Ktm	MC+P	HITPED	Reckless			1						No damage	Major inj
19:40	Munibhairab	ktm	MC+D	Strike	Overspeed					1				MC damage	Minor inj
15:20	Chardobato	Bkt	MC+S	RE	Overspeed					2	1			Both damage	Minor inj
13:00	Munibhairab	ktm	MC+J	Collision	Overspeed					2				Both damage	Minor inj
20:00	Jadibuti	Ktm	MC	SS	Overspeed					2				MC damage	Major inj
6:15	Hanumante P	Bkt	J	Collision	Mechanical									J damage	No inj
17:15	Koteshwor	Ktm	B+Amb	Collision	Overload									A damage	No inj
18:00	Jadibuti	Ktm	MC+C	Collision	Reckless									MC damage	Major inj

13:30	Koteshwor	Ktm	B+B	Collision	Overspeed									Both damage	No inj
13:30	Koteshwor	Ktm	T+CY	Collision	Overload				1					CY damage	Minor inj
14:00	Tinkune	Ktm	MC+S	HO	Reckless				1					Both damage	Minor inj
20:45	Munibhairab	ktm	MC	SS	Out of control				1					MC damage	Minor inj
9:45	Srijana Nagar	Bkt	B+MC	RE	Reckless				1					Both damage	Minor inj
8:30	Sallaghari	Bkt	B+P	Collision	Others					1					Minor inj
14:30	Koteshwor	Ktm	MC+P	HITPED	Overspeed				1					No damage	Minor inj
18:30	Koteshwor	Ktm	MC+P	HITPED	Reckless			1						No damage	Major inj
16:10	Koteshwor	Ktm	MC+P	HITPED	Reckless			1						No damage	Major inj
12:00	Hanumante P	Bkt	MC+MC	FE	Ma.Pa.Se			2						Both damage	Major inj
19:00	Tinkune	Ktm	C+B	Collision	Reckless									Both damage	No injury
12:00	Jadibuti	Ktm	MC+MC	Collision	Reckless									Both damage	Major inj
18:30	Koteshwor	Ktm	C+B	FE	Overspeed									C damage	No inj
18:00	Koteshwor	Ktm	V+P	HITPED	Reckless				1					No damage	Minor inj
19:30	Jadibuti	Ktm	MC+T	HO	Overload				2					MC damage	Major inj
21:45	Tinkune	ktm	MC+B	Re	Overspeed	1								Both Damage	Fatal
10:00	Naya Thimi	Bkt	Mc+T	Collision	overspeed									MC damage	No inj
13:30	Munibhairab	ktm	MR+C	Collision	Reckless									Both damage	No inj
7:00	Koteshwor	Ktm	C+B	FE	Reckless									Both damage	No inj
9:00	Sallaghari	Bkt	Mc	SS	Overspeed			1						MC damage	Major inj
17:00	Jadibuti	Ktm	T+S	RE	Overspeed				1					Both damage	Major inj
9:00	Chundevi	Bkt	MC+B	RE	Overtake				1					Both damage	Minor inj
15:30	Chundevi	Bkt	T+C	RE	Overtake				1					C damage	Minor inj
18:30	Jadibuti	Ktm	MC+P	HITPED	Reckless					1				No damage	Major inj
19:30	Tinkune	Ktm	Te+R	Strike	Mechanical				1					TE damage	Minor inj

15:00	Jadibuti	Ktm	CY+MC	RE	Overspeed					1				CY damage	Major inj
15:00	Suryabinayak	Bkt	T+C	Collision	Reckless					1				Both damage	Minor inj
15:00	Jadibuti	Ktm	MC+T	Collision	Reckless									Both damage	Major inj
17:30	Jadibuti	Ktm	MC+P	HITPED	Reckless			1		1				No damage	Major inj
11:00	Koteshwor	Ktm	MC+MC	RE	Reckless									No damage	No inj
18:30	Chundevi	Bkt	B+Tra	RE	Reckless					1				Both damage	Minor inj
14:30	Chundevi	Bkt	MC+C	HO	Overspeed					1				Both damage	Minor inj
2:30	Koteshwor	Ktm	C+D	Strike	Out of control									C damage	No inj
13:00	Jadibuti	Ktm	MC+P	HITPED	Overspeed					1				No damage	Major inj
14:00	Hanumante P	Bkt	MC	SS	Overspeed					1				MC damage	Minor inj
19:00	Munibhairab	ktm	B	SS	Mechanical									B damage	No inj
19:10	Koteshwor	Ktm	MC+P	HITPED	Overspeed					1				No damage	Minor inj
13:40	Chundevi	Bkt	Tri+J	RE	Reckless									J damage	No inj
9:40	Naya Thimi	Bkt	MC+B	Collision	Overspeed					1	1			Both damage	Minor inj
19:50	Hanumante P	Bkt	MC+B	Collision	Reckless					2				MC damage	Minor inj
18:00	Sallaghari	Bkt	MC+mC	RE	Overspeed					1				Both damage	Minor inj
19:30	Naya Thimi	Bkt	C+C+Amb	FE	Reckless									All damage	No inj
19:00	Naya Thimi	Bkt	T+C	RE	Reckless					1				C damage	Minor inj
6:00	Hanumante P	Bkt	MC+B	RE	Reckless					1				Both damage	Minor inj
19:00	Suryabinayak	Bkt	T+MC	Collision	Reckless					1	1				Minor inj
17:30	Sallaghari	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
21:30	Srijana Nagar	Bkt	B+T	HO	Overspeed			1	2	2	1				Major inj
11:00	Hanumante P	Bkt	MC+B	RE	Overspeed			1	1	1	1			Both damage	Major inj
9:40	Chardobato	Bkt	MC+C	Others	Overspeed					1				Both-damage	Major inj
17:00	Chardobato	Bkt	Mc+J	Collision	Out of control					2	1			All damage	Major inj

12:00	Koteshwor	Ktm	C+B	HO	Overspeed									B damage	No inj
15:00	Srijana Nagar	Bkt	MC+MC	HO	Reckless			4	1						Major inj
15:45	Hanumante P	Bkt	MC+C	FE	Overspeed									C damage	No inj
19:10	Jadibuti	Ktm	MC+D	Strike	Overspeed					1				MC damage	Major inj
16:05	Naya Thimi	Bkt	C+B	HO	Reckless									Both damage	No inj
17:30	Jadibuti	Ktm	C+MC	HO	Overspeed					1				Both damage	Major inj
15:05	Naya Thimi	Bkt	B+MC	HO	Reckless			1							major inj
9:20	Sallaghari	Bkt	C+B	HO	Reckless									Both damage	No inj
10:15	Naya Thimi	Bkt	B+C+MC	HO	Reckless									All damage	No inj
16:00	Jadibuti	Ktm	TX+P	HITPED	Overspeed			1						No damage	Major inj
18:30	Naya Thimi	Bkt	MC+C	HO	Reckless									Both damage	No inj
10:30	Chundevi	Bkt	B	Collision	Mechanical									B damage	No inj
13:30	Hanumante P	Bkt	B+MC	Collision	Overspeed					1				Both damage	Minor inj
7:00	Chundevi	Bkt	J+T	FE	Overspeed					1				Both damage	Minor inj
14:00	Hanumante P	Bkt	T+MC	Collision	Out of control					1				MC damage	Minor inj
11:00	Pandubazar	Bkt	C+B	RE	Reckless									Both damage	No inj
17:45	Munibhairab	ktm	B+P	HITPED	Reckless					1				No damage	Minor inj
1:00	Hanumante P	Bkt	Tri	SS	Overspeed					1					Minor inj
13:15	Chundevi	Bkt	B+MC	HO	Reckless					2					Minor inj
9:50	Srijana Nagar	Bkt	B+D	Collision	Reckless					1					Minor inj
23:00	Koteshwor	Ktm	B+MC	Collision	Overspeed					2				Both damage	Minor inj
12:30	Hanumante P	Bkt	C+MC	RE	Reckless					1					Minor inj
14:00	Bharahi hall	Bkt	T+MC	RE	Reckless					1					Minor inj
7:00	Koteshwor	Ktm	J+MC	RE	Overspeed									Both damage	No inj
7:00	Munibhairab	ktm	C+T	Collision	Overspeed									Both damage	No inj

16:45	Sallaghari	Bkt	T+MC	HO	Overspeed					2				Both damage	Minor inj
22:10	Srijana Nagar	Bkt	J+MC	RE	Overspeed					2				Both damage	Minor inj
6:00	Munibhairab	ktm	B+MC	HO	Overspeed					1				No damage	Minor inj
21:30	Koteshwor	Ktm	C+C	RE	Overspeed									Both damage	No inj
19:00	Jadibuti	Ktm	T+MC	RE	Overspeed									C damage	Major inj
18:00	Naya Thimi	Bkt	MC+P	HITPED	Reckless					1					Minor inj
17:30	Koteshwor	Ktm	MC+P	HITPED	Reckless					1				No damage	Minor inj
19:30	Koteshwor	Ktm	MC+P	HITPED	Overspeed			1						No damage	Major inj
13:30	Sallaghari	Bkt	T+D	Collision	Reckless					1				T damage	Minor inj
17:30	Koteshwor	Ktm	MC+P	HITPED	Reckless					1				No damage	Minor inj
21:00	Koteshwor	Ktm	S+MC	RE	Others			1	1					No damage	Major inj
12:00	Bharahi hall	Bkt	MC+MC	HO	Overspeed					1				Both damage	Minor inj
4:00:00	Munibhairab	ktm	MC+S	HO	Overspeed									No damage	No inj
20:05	Munibhairab	ktm	MC+D	Strike	Out of control			1						MC damage	Major inj
11:00	Jadibuti	Ktm	T+TX	RE	Overtake									T X damage	Major inj
18:30	Sallaghari	Bkt	MC+MC	RE	Reckless									Both damage	No inj
10:30	Munibhairab	ktm	B+TX	RE	overload									TX damage	No inj
12:50	Chundevi	Bkt	C+MC	HO	Overspeed										Minor inj
23:00	Munibhairab	ktm	B+R	Strike	Overtake									B damage	No inj
9:00	Koteshwor	Ktm	B+MC	HO	Overspeed									MC damage	No inj
16:40	S.S college	Bkt	T+D	SS	Mechanical					1					minor inj
20:30	Jadibuti	Ktm	S+MC	RE	Overspeed					1				Both damage	Major inj
19:45	Srijana Nagar	Bkt	MC+MC	RE	Overspeed					1					Minor inj
21:05	Sallaghari	Bkt	MC+D	Collision	Reckless			1						MC damage	Major inj
20:00	Munibhairab	ktm	TX+MC	HO	Overspeed									TX damage	No inj

7:45	Jadibuti	Ktm	T+P	HITPED	Overspeed									No damage	Major inj
19:00	Koteshwor	Ktm	MC	SS	Out of control					1				MC damage	Minor inj
6:00	Jadibuti	Ktm	B+B	SS	Mechanical									Both damage	Major inj
16:30	Koteshwor	Ktm	J+Tri	RE	Reckless									Both damage	No inj
15:30	Suryabinayak	Bkt	T+C	Collision	Overtake					1					Minor inj
21:30	Chardobato	Bkt	MR+D	Collision	Reckless			1	1	3	4				Major inj
16:00	Sallaghari	Bkt	MC+MC	Collision	Reckless					1					Minor inj
20:20	Koteshwor	Ktm	C+P	HITPED	Reckless					1				No damage	Minor inj
10:00	Jadibuti	Ktm	MC+P	HITPED	Overspeed					1				No damage	Major inj
16:30	Bharahi hall	Bkt	MC+P	HITPED	Overspeed						2				Minor inj
19:45	Naya Thimi	Bkt	MC+Bar	Collision	Overspeed			2							major inj
17:00	Munibhairab	ktm	S+MC	HO	Overspeed						1			Both damage	Minor inj
10:45	Sallaghari	Bkt	MC+MC	HO	Reckless					1					Minor inj
8:30	Jadibuti	Ktm	T+TX	HO	Reckless									Both damage	Major inj
9:30	Jadibuti	Ktm	C+R	Strike	Overspeed					1				R.damage	Major inj
5:30	Pandubazar	Bkt	Tri+J	HO	Reckless					1					Minor inj
3:00	Pandubazar	Bkt	Tri+D	Collision	Overspeed										
16:00	Jadibuti	Ktm	B+MC	RE	Overspeed									MC damage	No inj
11:05	Sallaghari	Bkt	MC+MC	HO	Reckless					1					Minor inj
17:45	Sallaghari	Bkt	T+S	Collision	Reckless					1					Minor inj
12:00	Koteshwor	Ktm	C+Tri	RE	Overspeed									C damage	No inj
20:00	Sallaghari	Bkt	MC+CY	Collision	Overspeed					1				CY damage	Minor inj
19:30	Koteshwor	Ktm	C+Po	Strike	Overspeed									C damage	No inj
9:15	Koteshwor	Ktm	C+B	RE	Reckless									C damage	No inj
6:45	Koteshwor	Ktm	MC+B	RE	Others									Both Damage	No inj
17:00	Munibhairab	ktm	MC+MC	RE	Overtake									Both damage	No inj

18:30	Suryabinayak	Bkt	T+P	HITPED	Reckless			1							Major inj
19:45	Hanumante P	Bkt	MC+P	HITPED	Reckless				1						Minor inj
21:00	Chundevi	Bkt	MC+P	HITPED	Reckless			1							Major inj
9:45	Kantunjemod	Bkt	MC+P	HITPED	Reckless				1						Minor inj
17:45	Jadibuti	Ktm	MC+P	HITPED	Overspeed					1				No damage	Minor inj
13:30	Munibhairab	ktm	Te+C	RE	Reckless									Both damage	No inj
17:45	Jadibuti	Ktm	MC+P	HITPED	Ma.Pa.se					1				No damage	Minor inj
7:30	Jadibuti	Ktm	TX+T	RE	Traffic signal									Both damage	No inj
16:00:00	Hanumante P	Bkt	J+MC	Collision	Overspeed					1					Minor inj
8:00	Chundevi	Bkt	J+P	HITPED	Reckless										Minor inj
16:30	Koteshwor	Ktm	TX+P	HITPED	Reckless						1			No Damage	Minor inj
10:00	Koteshwor	Ktm	C+B	Collision	Overspeed									C damage	No inj
7:20	Bharahi hall	Bkt	Tri+J	Collision	Reckless										
13:00	Koteshwor	Ktm	TX+T	RE	Reckless									TX damage	No inj
16:00	Munibhairab	ktm	C+MC	HO	Overspeed									Both damage	No inj
7:30	Koteshwor	Ktm	TX+MC	HO	Others									Both damage	No inj
8:15	Srijana Nagar	Bkt	MC+MC	Collision	Overspeed									MC damage	No inj
12:30	Chundevi	Bkt	T+S	RE	Reckless			1	1					Both damage	
11:05	Sallaghari	Bkt	MC+MC	HO	Reckless					1					Minor inj
14:30	Jadibuti	Ktm	MC+B	RE	Overspeed					1				Both damage	Minor inj
19:30	Jadibuti	Ktm	MC+MC	Collision	Reckless					1				Both damage	Minor inj
7:15	Suryabinayak	Bkt	B+MC	RE	Reckless					1				No damage	Major inj
18:15	Jadibuti	Ktm	MT+P	HITPED	Reckless			1						Both damage	No inj
19:20	Jadibuti	Ktm	B+D	Strike	Overspeed									TX damage	No inj
21:30	Koteshwor	Ktm	Te+Po	Strike	Reckless									Both damage	No inj

19:30	Koteshwor	Ktm	B+C	Collision	Overtake												
20:00	Pandubazar	Bkt	T+p	HITPED	Reckless												Fatal
15:00	Srijana Nagar	Bkt	C+MC	Re	Reckless					1							Minor inj
16:00	Jadibuti	Ktm	MT+MC	RE	Reckless			1								Both damage	Major inj
6:00	Chundevi	Bkt	T	Others	Reckless												No inj
4:15	Chundevi	Bkt	V+Bar	Strike	Overspeed											5-pole damage	
17:30	Koteshwor	Ktm	C+MC	RE	Reckless											Both Damage	No inj
11:00	Munibhairab	ktm	MT+S	HO	Overspeed						1					Both damage	Minor inj
11:45	Koteshwor	Ktm	B+B	HO	Overspeed											Both Damage	No inj
6:30	Naya Thimi	Bkt	Mc+p	HITPED	Reckless					1							Minor inj
6:00	Jadibuti	Ktm	T+R	Strike	Out of control											Both damage	No inj
7:15	Suryabinayak	Bkt	B+MC	RE	Reckless					1							
13:45	Munibhairab	ktm	MC+P	HITPED	Reckless					1						No damage	Minor inj
6:30	Koteshwor	Ktm	MC+P	HITPED	Overspeed			1								No Damage	Major inj
12:45	Koteshwor	Ktm	Te+Po	Strike	Overspeed											TE damage	No inj
7:40	Radhe Radhe	Bkt	B+B	HITPED+RE	Reckless											Both damage	
9:30	Radhe Radhe	Bkt	MC+S	HITPED+RE	Reckless					1						Both damage	Minor inj
10:15	Suryabinayak	Bkt	B+P	HITPED	Overspeed												Fatal
16:30	Sallaghari	Bkt	MC+P	FE	Reckless			1									Major inj
18:00	Suryabinayak	Bkt	B	Collision	Mechanical					5	2						Minor inj
22:30	Sallaghari	Bkt	C+D	Collision	Ma.Pa.Se												No inj
20:00	Srijana Nagar	Bkt	C+TX	Collision	Reckless					1							Minor inj
18:55	Pandubazar	Bkt	MC+P	HITPED	Overspeed					1							Minor inj
12:30	Jadibuti	Ktm	Mr+B	RE	Overspeed			1	1							Both-damage	Major inj

20:55	Gathaghar	Bkt	MC+P	HITPED	Reckless					1					Minor inj
12:15	Srijana Nagar	Bkt	MC+MC	RE	overspeed					1	1				Minor inj
19:35	Srijana Nagar	Bkt	Tri+MC	HO	overspeed				1	2					Major inj
17:30	Jadibuti	Ktm	MC+C	Collision	Others									Both-damage	No inj
19:45	Lokanthali	Bkt	C	Collision	Overspeed					1					Minor inj
11:35	Chundevi	Bkt	MC+MT	RE	Reckless					1					Minor inj
11:45	Koteshwor	Ktm	C+MC	FE	Traffic signal					1				MC damage	Minor inj
17:45	Koteshwor	Ktm	J+MC	Collision	Others				1	1				MC damage	Major inj
7:30	Jadibuti	Ktm	B+J	RE	Reckless									J damage	No inj
18:30	Srijana Nagar	Bkt	MC+D	Strike	Overspeed					1					Minor inj
13:00	Srijana Nagar	Bkt	B+P	HITPED	Reckless						1				Minor inj
16:50	Lokanthali	Bkt	C+MC	RE	Reckless					2					Minor inj
10:05	Koteshwor	Ktm	MC+S	Collision	Traffic signal						1				Minor inj
11:00	Kausaltar	Bkt	C+MC	RE	Reckless					2					Minor inj
19:45	Koteshwor	Ktm	B+MC	Collision	Out of control									MC damage	No inj
7:30	Gathaghar	Bkt	MC+MC	HO	Reckless					1					Minor inj
16:00	Kausaltar	Bkt	MC+P	HITPED	Overspeed					2					Minor inj
14:00	Kausaltar	Bkt	TX+MC	FE	Overspeed									Both damage	No inj
15:00	Sallaghari	Bkt	MC+J	Collision	Reckless					1					Minor inj
21:00	Munibhairab	Ktm	C+D	Collision	Ma.Pa.Se									MC damage	No inj
6:00	Munibhairab	Ktm	B+P	HITPED	Reckless					1					Minor inj
6:20	Manahara	Bkt	MC+CY	Collision	Overspeed					1					Minor inj
17:00	Naya Thimi	Bkt	MC+P	HITPED	Overspeed			1							Fatal

18:00	Gathaghar	Bkt	MC+P	HITPED	Reckless					1					Minor inj
13:30	Munibhairab	Ktm	CY+C+V+CY	RE	Traffic signal					2	1			All damage	Minor inj
6:30	Koteshwor	Ktm	MC+Tr	Collision	Overspeed						1				Minor inj
7:00	Munibhairab	Ktm	MC+CY+CY	Collision	Traffic signal									All damage	No inj
16:30	Lokanthali	Bkt	MC+P	HITPED	Overspeed				1						Minor inj
21:00	Chundevi	Bkt	MC+L	Collision	Overspeed					1		1			L.Fatal
16:00	Sallaghari	Bkt	B+P	RE	Overspeed					1				Both damage	Minor inj
19:15	Srijana Nagar	Bkt	MC+P	HITPED	Reckless				1						Major inj
11:45	Koteshwor	Ktm	B+P	HITPED	Reckless						2				Minor inj
18:00	Srijana Nagar	Bkt	MC+MC	Collision	Overspeed									Both damage	
19:00	Munibhairab	Ktm	B+MC	RE	Overspeed						1			MC damage	Minor inj
21:30	Munibhairab	Ktm	B+MC	RE	Overspeed						1			MC damage	Minor inj
22:00	Naya Thimi	Bkt	MC+T	RE	Overspeed					1					Minor inj
16:10	Pandubazar	Bkt	MC+T	FE	Overspeed					1				MC damage	Minor inj
21:05	Hanumante P	Bkt	MC+R	Strike	Ma.Pa.Se										Major inj
19:30	Kausaltar	Bkt	T+C	RE	Reckless									Both damage	No inj
9:30	Koteshwor	Ktm	MC+V	RE	Reckless									MC damage	No inj
10:00	Munibhairab	Ktm	T+MC	RE	Mechanical				1	1				MC damage	Major inj
23:00	Srijana Nagar	Bkt	J+R	Strike	Ma.Pa.Se			1							Major inj
19:30	Gathaghar	Bkt	MC+S	Collision	Overspeed										Minor inj
9:30	Gathaghar	Bkt	MT+B	Collision	Traffic signal				2					Both damage	No inj
13:30	Naya Thimi	Bkt	Ta+P	HITPED	Overspeed										Fatal
10:00	Lokanthali	Bkt	MC+MC	Collision	Reckless				1						Minor inj
21:00	Suryabinayak	Bkt	B+C	HO	Others									Both damage	No inj

11:00	S.S college	Bkt	J+MC	RE	Reckless					1				MC damage	minor inj
11:13	Jadibuti	Ktm	Mr+MC	RE	Reckless									MC damage	Minor inj
19:15	Chundevi	Bkt	MC+P	HITPED	Reckless					1					Minor inj
20:40	Pandubazar	Bkt	Tri+MC	SS	Overspeed					1					Fatal
21:00	Koteshwor	Ktm	C+B	Collision	Reckless									MC damage	Minor inj
16:30	Jadibuti	Ktm	MC+P	Collision	Reckless					1					Minor inj
19:10	Sallaghari	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
19:15	Munibhairab	Ktm	B+MC	FE	Reckless					1				MC damage	No inj
14:30	Koteshwor	Ktm	B+MC	HO	Ma.Pa.Se										Minor inj
18:20	Radhe Radhe	Bkt	MC+P	HITPED+RE	Reckless						1				Minor inj
8:00	Manahara	Bkt	B+MC	RE	Overspeed									Both damage	No inj
2:00	Radhe Radhe	Bkt	MC+MC	HITPED+RE	Reckless			1		1				MC damage	Major inj
19:30	Jadibuti	Ktm	Tri+C	Collision	Overtake			1		1				MC damage	Major inj
2:30	Chardobato	Bkt	MC+D	SS	Overspeed					1					Minor inj
5:05	Koteshwor	Ktm	V+P	HITPED	Reckless				1						Major inj
6:00	Koteshwor	Ktm	MC+P	HITPED	Ma.Pa.Se						1			MC damage	Minor inj
19:30	Munibhairab	Ktm	Te+MC	FE	Traffic signal					1				MC damage	Minor inj
11:00	Koteshwor	Ktm	J+T	Collision	Reckless									J damage	No inj
11:30	Chardobato	Bkt	MC+P	HITPED	Reckless				1						Minor inj
22:15	Naya Thimi	Bkt	MC+D	Strike	Reckless					2					Minor inj
3:30	Chundevi	Bkt	C+P	HITPED	Overspeed										Fatal
17:30	Kausaltar	Bkt	C+MC	Collision	Reckless									C damage	No inj
20:30	Jadibuti	Ktm	MC+MC	Collision	Overtake									Both damage	Major inj
10:30	Koteshwor	Ktm	MC+D	Collision	Out of control									MC damage	Major inj
22:25	Munibhairab	Ktm	MC	Others	Out of control				1						Major inj
4:00	Suryabinayak	Bkt	T+D	RE	Overspeed									Both damage	No inj

20:10	Gathaghar	Bkt	MC+S	RE	Reckless					2	1			S damage	Minor inj
10:30	Kausaltar	Bkt	MC+MC	Collision	Reckless									MC damage	No inj
17:40	Gathaghar	Bkt	MC+MC	RE	Reckless									MC damage	No inj
18:30	Munibhairab	Ktm	MC+MC	Collision	Overtake					1					Minor inj
5:45	Lokanthali	Bkt	MT+CY	Collision	Overspeed					1					Minor inj
17:40	Gathaghar	Bkt	T+MC	RE	Reckless					2					Minor inj
21:10	Pandubazar	Bkt	Mr+P	HITPED	Overspeed			1							Major inj
14:00	Kausaltar	Bkt	MC+J+C	RE	Reckless					1				Both damage	Minor inj
21:00	Munibhairab	Ktm	MC+J	Collision	Overtake			1						Both damage	Minor inj
22:00	Koteshwor	Ktm	Tri+R	Strike	Overspeed				1						Minor inj
5:30	Chundevi	Bkt	Con+C+R	RE+Strike	Overspeed					1				All damage	Minor inj
16:25	Gathaghar	Bkt	MT+P	HITPED	Reckless										Fatal
19:45	Pandubazar	Bkt	B+P	HITPED	Reckless					1					Minor inj
12:30	Koteshwor	Ktm	MC+MC+Tri	Collision	Ma.Pa.Se									MC damage	No inj
18:45	Radhe Radhe	Bkt	MC+P	HITPED+RE	Reckless					1					Minor inj
18:00	Jadibuti	Ktm	MC+MC+J	Collision	Reckless									Both damage	Minor inj
15:45	Radhe Radhe	Bkt	MC+MC	HITPED+RE	Others					2					Minor inj
3:45	Hanumante P	Bkt	Tri+Con	RE	Reckless									Both damage	Fatal
7:55	Kantunjemod	Bkt	MC+P	HITPED	Reckless					1					Minor inj
19:20	S.S college	Bkt	C+D	Strike	Mechanical						1				minor inj
19:30	Koteshwor	Ktm	MC+P	HITPED	Out of control					2				Both damage	Minor inj
20:00	Munibhairab	Ktm	S+D	Strike	Out of control					1				S damage	Minor inj
13:50	Chardobato	Bkt	MC+MC	HO	Overspeed					4				Both damage	Fatal+Minor
7:50	Bharahi hall	Bkt	J+MC	HO	Reckless			1		1					Major inj
10:30	Srijana Nagar	Bkt	MC+P	HITPED	Overspeed			1			1				Minor inj

18:15	Srijana Nagar	Bkt	B+P	HITPED	Reckless											Major inj
14:30	Munibhairab	Ktm	B+C	RE	Ma.Pa.Se										C damage	No inj
16:45	Kausaltar	Bkt	MC+T	RE	Reckless										Both damage	Fatal+Major
20:20	Manahara	Bkt	MC+P	HITPED	Reckless			1								Fatal
22:30	Chardobato	Bkt	MC	SS	Overspeed						1					Minor inj
9:30	Armygate	Ktm	MC+Cy	Collision	Others										Both damage	Major inj
18:00	Jadibuti	Ktm	C+MC	Collision	Reckless					1						Minor inj
18:00	Munibhairab	Ktm	TX+C	Collision	Reckless				1							Minor inj
18:45	Lokanthali	Bkt	MC+P	HITPED	Overspeed				1							Major inj
18:00	Munibhairab	Ktm	Tx+c	Collision	Reckless				1							Minor inj
19:10	Armygate	Ktm	MC+MC	Collision	Overspeed				1	2						minor inj
8:45	Gathaghar	Bkt	MC+MC	RE	Overspeed						1					Minor inj
15:40	Sallaghari	Bkt	B+MC	RE	Overspeed						1				Both damage	Minor inj
16:45	Pandubazar	Bkt	MC+C	RE	Overspeed										Both damage	No inj
9:30	Lokanthali	Bkt	B+P	HITPED	Reckless				1							Major inj
11:30	Armygate	Ktm	B+P	HITPED	Reckless				1							minor inj
11:45	Naya Thimi	Bkt	MC+MC	HO	Overtake					2					Both damage	Minor inj
19:00	Jadibuti	Ktm	S+D	Strike	Overspeed										S damage	Major inj
16:30	Pandubazar	Bkt	B+MC+P	HITPED	Overspeed					2	1					Minor inj
14:20:00	Gathaghar	Bkt	C	SS	Overspeed											No inj
17:00	Koteshwor	Ktm	V+C	Collision	Ma.Pa.Se										C damage	No inj
19:00	Armygate	Ktm	J+MC	Collision	Overspeed										Both damage	Major inj
10:00	Armygate	Ktm	Amb+B	Collision	Reckless										Both damage	No inj
11:10	Koteshwor	Ktm	Te+MC	Collision	Overspeed										Both damage	Major inj
20:45	Gathaghar	Bkt	MC+J	RE	Overspeed						1				Both damage	Minor inj

14:00	Armygate	Ktm	B+D	Strike	Reckless				1					Both damage	Major inj
9:30	Kausaltar	Bkt	Tr+S	Collision	Reckless					1					Minor inj
12:00	Kausaltar	Bkt	MC+MC	Collision	Overspeed					1					Minor inj
21:30	Lokanthali	Bkt	B	SS	Reckless									B damage	No inj
11:30	Jadibuti	Ktm	B+C+T	Collision	Overspeed										No inj
8:00	Munibhairab	Ktm	B+T	RE	Overspeed				1						Major inj
9:55	Gathaghar	Bkt	B+P	Others	Reckless					1					Minor inj
21:45	Lokanthali	Bkt	C+MC+C	RE	Overspeed					2					Minor inj
20:15	Manahara	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
15:45	Chardobato	Bkt	MC+D	Collision	Overspeed					1					Minor inj
8:30	Koteshwor	Ktm	C+T	Collision	Overspeed									C damage	No inj
5:30	Koteshwor	Ktm	MC+D	RE	Reckless					1					Minor inj
19:00	Koteshwor	Ktm	T+CY	RE	Reckless										No inj
20:30	Chardobato	Bkt	Tri+P	HITPED	Reckless					1					Minor inj
19:30	Munibhairab	Ktm	C+V	RE	Reckless									Both damage	No inj
18:00	Munibhairab	Ktm	MC+T+B	Collision	Overtake									B+MC damage	No inj
15:30	Jadibuti	Ktm	MC+MC	Collision	Traffic signal						2			Both damage	Minor inj
19:00	Munibhairab	Ktm	B+MC	RE	Traffic signal			1		1					Major inj
18:00	Jadibuti	Ktm	B+MC	Collision	Overspeed					2					Minor inj
19:00	Gathaghar	Bkt	MC+P	HITPED	Reckless						1				Minor inj
4:30	Manahara	Bkt	Mr	SS	Overspeed									Both damage	No inj
7:30	Manahara	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
11:00	Armygate	Ktm	TX+C	Collision	Others									Both damage	No inj
12:00	Jadibuti	Ktm	TX+P	HITPED	Reckless				1						Minor inj
17:45	Kausaltar	Bkt	MC+C	SS	Reckless						1				Minor inj

17:08	Chardobato	Bkt	MC+P	HITPED	Reckless						1				Minor inj
16:10	Chardobato	Bkt	MC+P	HITPED	Overspeed						1				Minor inj
22:30	Koteshwor	Ktm	MC+D	Strike	Overspeed			1		1				Both damage	Major inj
12:00	Chardobato	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
16:20	Gathaghar	Bkt	MC+B	RE	Overspeed						1			Both damage	Minor inj
11:30	Jadibuti	Ktm	Te+Po	Strike	Mechanical						1				Minor inj
14:00	Manahara	Bkt	S+P	HITPED	Overspeed					1					Minor inj
19:15	Gathaghar	Bkt	MC+MC	Collision	Overspeed					1					Minor inj
9:15	Munibhairab	Ktm	Amb+MC	Collision	Traffic signal			1						MC damage	Major inj
13:45	Gathaghar	Bkt	MR+V	RE	Overspeed									Both damage	No inj
18:15	Jadibuti	Ktm	CY+B	Collision	Overspeed					1				CY damage	Minor inj
18:45	Jadibuti	Ktm	T+C	Collision	Overspeed									Both damage	Minor inj
17:30	Munibhairab	Ktm	S+T	RE	Reckless			1	1					S damage	Major inj
15:30	koteshwor	Ktm	B+MC	Collision	Overspeed									MC damage	Fatal
17:00	koteshwor	Ktm	Tri+C	HO	Reckless									C damage	No inj
18:40	Jadibuti	Ktm	B+MC	FE	Traffic signal					1				MC damage	Minor inj
14:00	Jadibuti	Ktm	C+B	FE	Traffic signal									Both damage	No inj
15:45	Koteshwor	Ktm	J+B	Collision	Traffic signal									Both damage	No inj
19:45	Koteshwor	Ktm	B+P	HITPED	Reckless			1							Major inj
20:00	Lokanthali	Bkt	J+MC	RE	Overspeed									Both damage	No inj
6:30	Munibhairab	Ktm	TX+J	Collision	Overspeed									Both damage	No inj
9:30	koteshwor	Ktm	C+T	RE	Overspeed									C damage	No inj
16:30	koteshwor	Ktm	Te+MC	Collision	Overspeed					1				MC damage	Minor inj
18:45	Munibhairab	Ktm	V+MC	Collision	Overspeed									MC damage	No inj
17:00	Kausaltar	Bkt	V+A	Collision	Reckless									Both damage	No inj
17:30	Koteshwor	Ktm	C+MC+V	Collision	Traffic signal			1						All damage	Major inj

11:00	Gathaghar	Bkt	T+MC	RE	Reckless					2					Minor inj
19:00	Kausaltar	Bkt	MC+MC	Collision	Reckless									Both damage	No inj
16:00	Chardobato	Bkt	MC+C	Collision	Reckless					2				Both damage	Minor inj
20:45	Jadibuti	Ktm	B+P	HITPED	Reckless										No inj
18:00	Munibhairab	Ktm	V+Te	Collision	Overspeed					1				Both damage	Minor inj
15:15	Koteshwor	Ktm	B+P	Others	Overtake					1					
7:15	Gathaghar	Bkt	MC+MC	RE	Reckless			1						Both damage	Major inj
20:00	Manahara	Bkt	MR+P	HITPED	Reckless					1					Minor inj
19:30	Chardobato	Bkt	MR+B	RE	Reckless									Both damage	No inj
14:30	Lokanthali	Bkt	C+C	RE	Reckless									Both damage	No inj
21:10	Gathaghar	Bkt	MC+T	RE	Overspeed										Fatal
10:00	Manahara	Bkt	MC+MT	RE	Overspeed					1				M damage	Minor inj
20:00	Chardobato	Bkt	MC+P	HITPED	Overspeed		1								Fatal
5:45	Jadibuti	Ktm	S+S	HO	Overtake						2				Minor inj
16:30	Manahara	Bkt	T+C	Collision	Overtake									Both	No inj
12:30	Gathaghar	Bkt	MC	Collision	Reckless			1		2				M damage	Mi+Mj inj
2:00	Kausaltar	Bkt	Tri	SS	Reckless									Tri damage	
11:45	Chardobato	Bkt	MC+MC	RE	Reckless					2					Minor inj
1:20	Lokanthali	Bkt	C	SS	Out of control					1				C damage	Minor inj
16:20	Chardobato	Bkt	MC+MC	Collision	Reckless			1		2				Both damage	Mi+Mj inj
19:50	Munibhairab	Ktm	B+V	RE	Reckless										No inj
13:00	Jadibuti	Ktm	B+B	Collision	Overspeed										No inj
21:10	Munibhairab	Ktm	C+P	HITPED	Reckless						1				Minor inj
18:30	Chardobato	Bkt	MC+C	RE	Reckless					1				Both damage	minor inj
13:45	Manahara	Bkt	B+P	HITPED	Reckless			1							Major inj

13:00	Kausaltar	Bkt	Tr+R	Collision	Mechanical					1					Minor inj
14:45	Jadibuti	Ktm	T	Collision	Mechanical					2					Minor inj
19:30	Kausaltar	Bkt	C+L	RE	Reckless							1			No inj
11:00	Chardobato	Bkt	C+V	HO	Reckless									Both damage	No inj
18:30	Kausaltar	Bkt	J+V	RE	Overspeed					1				Both damage	Minor inj
17:00	Chardobato	Bkt	MC+MC	Collision	Reckless					2				Both damage	Minor inj
19:30	Manahara	Bkt	MC+C	RE	Overspeed									C damage	No inj
17:45	Lokanthali	Bkt	MC+T	Collision	Reckless			1							Major inj
16:15	Chardobato	Bkt	C+P	HITPED	Overspeed					1					Minor inj
15:20	Chardobato	Bkt	B+S	Collision	Reckless				1						Minor inj
14:00	Jadibuti	Ktm	B+B	RE	Reckless										No inj
7:20	Jadibuti	Ktm	T+T	Collision	Overspeed										No inj
17:30	Munibhairab	Ktm	Mr+Te	Collision	Out of control										No inj
17:00	Chardobato	Bkt	MC+C	RE	Reckless					1	1				Minor inj
10:00	Jadibuti	Ktm	J+V	Collision	Overtake										No inj
17:00	Chardobato	Bkt	MC+C	RE	Reckless					1	1				Minor inj
19:45	Chardobato	Bkt	MC+D	Collision	Overspeed					1	1				Minor inj
11:00	Chardobato	Bkt	MC+D	Collision	Overspeed					1	1				Minor inj
14:30	Lokanthali	Bkt	MC+MC	RE	Overspeed					1				M damage	Minor inj
16:45	Manahara	Bkt	S+A	HO	Reckless							1		S damage	Minor inj
11:45	Gathaghar	Bkt	B+B	HO	Reckless									Both damage	No inj
19:45	Gathaghar	Bkt	CY+R	Collision	Out of control					1					Minor inj
1:30	Gathaghar	Bkt	MC+C	RE	Reckless									Both damage	No inj
9:30	Munibhairab	Ktm	B+R	Collision	Out of control					1				R damage	Minor inj
5:40	Kausaltar	Bkt	Tri+CY	RE	Reckless			1							Major inj
15:00	Koteshwor	Ktm	B+P	HITPED	Out of control					1					Minor inj

19:15	Kausaltar	Bkt	B+MC	Collision	Overspeed					1				MC damage	Minor inj
22:00	Jadibuti	Ktm	V+C	Collision	Out of control										Fatal
21:00	Koteshwor	Ktm	T+C	Collision	Overspeed									Both damage	No inj
13:15	Gathaghar	Bkt	MC+T	Collision	Traffic signal					1					Minor inj
16:00	Kausaltar	Bkt	MC+MC	Collision	Overspeed					2					Minor inj
21:30	Chardobato	Bkt	T+P	HITPED	Reckless					1					Minor inj
9:30	Jadibuti	Ktm	B+B	Collision	Others					2					Minor inj
22:00	Lokanthali	Bkt	MC+MC	Collision	Reckless					2					Minor inj
22:20	Jadibuti	Ktm	V+B	Collision	Reckless									Both damage	No inj
15:45	Gathaghar	Bkt	B	Collision	Mechanical									Both damage	No inj
17:00	Koteshwor	Ktm	B+Te	RE	Reckless									TE damage	No inj
11:00	Koteshwor	Ktm	B+Te	RE	Reckless									TE damage	No inj
9:00	Jadibuti	Ktm	B+B	HO	Overtake									Both damage	No inj
12:00	Koteshwor	Ktm	T+CY	FE	Reckless					1				Both damage	Minor inj
12:45	Gathaghar	Bkt	B+MC	RE	Reckless					1					Minor inj
21:00	Kausaltar	Bkt	B+MC	Collision	Overspeed					2					Minor inj
8:45	Gathaghar	Bkt	B+V	RE	Overspeed									Both damage	No inj
12:45	Gathaghar	Bkt	B+MC	RE	Reckless					1					Minor inj
21:00	Kausaltar	Bkt	B+MC	RE	Reckless					2					Minor inj
13:45	Kausaltar	Bkt	MC+Tri	SS	Reckless									MC damage	No inj
8:30	Radhe Radhe	Bkt	MC+V	HITPED+RE	Reckless				1					Both damage	Minor inj
15:45	Gathaghar	Bkt	MC+T	RE	Reckless					1					Minor inj
21:45	Chundevi	Bkt	MC+L	RE	Ma.Pa.Se				1					Both damage	Minor inj
7:05	Tinkune	Ktm	B+MC	Collision	Reckless					1					Minor inj
17:30	Munibhairab	Ktm	MC+B	RE	Overspeed									Both damage	No inj
20:00	Srijana	Bkt	MC+L	RE	Reckless									Both damage	No inj

13:00	Chardobato	Bkt	S+Tra	RE	Overspeed									S damage	No inj
18:45	Gathaghar	Bkt	MC+T+T	RE	Overspeed					1				MC damage	Minor inj
9:25	Koteshwor	Ktm	C+Te	HO	Overspeed									Both damage	No inj
13:30	Sallaghari	Bkt	MC+V	RE	Traffic signal					2					Minor inj
15:00	Koteshwor	Ktm	C+B	RE	Reckless									C damage	No inj
21:05	Tinkune	Ktm	TX+CY	Collision	Overspeed					1				CY damage	Minor inj
17:00	Chundevi	Bkt	MT+C	FE	Overspeed					1				C damage	Minor inj
9:40	Srijana Nagar	Bkt	MC	SS	Out of control					1					Minor inj
6:35	Koteshwor	Ktm	B+P	HITPED	Reckless										Fatal
15:30	Sallaghari	Bkt	T+CY	RE	Reckless					1				CY damage	Minor inj
15:45	Munibhairab	Ktm	B+MC	RE	Traffic signal					1					Minor inj
13:30	Radhe Radhe	Bkt	T+S	HITPED+RE	Overspeed					1				S damage	Minor inj
7:15	Sallaghari	Bkt	MC+P	HITPED	Overspeed					2					Minor inj
13:40	Armygate	Ktm	MC+MC	Collision	Others					1				Both damage	Minor inj
19:35	Pandubazar	Bkt	B+P	HITPED	Reckless					1					
7:30	Munibhairab	Ktm	B+B	RE	Traffic signal					7				Both damage	Minor inj
19:00	Lokanthali	Bkt	MC+S	RE	Overspeed									Both damage	No inj
15:30	Jadibuti	Ktm	T+MC	HO	Reckless										No inj
20:45	Koteshwor	Ktm	MC+P	HITPED	Reckless				1					MC damage	Major inj
18:30	S.S College	Bkt	MC+D	Strike	Reckless					1				MC damage	Minor inj
16:00	Radhe Radhe	Bkt	MC+MC	HITPED+RE	Overspeed					1					Minor inj
8:00	Sallaghari	Bkt	MC	SS	Out of control					1				MC damage	Minor inj
11:00	Koteshwor	Ktm	C+Tra	Collision	Reckless									C damage	No inj
13:40	Koteshwor	Ktm	C+T	RE	Traffic signal									C damage	No inj
23:40	Koteshwor	Ktm	C+MC	Collision	Ma.Pa.Se									Both damage	No inj

23:55	Gathaghar	Bkt	MC	Strike	out of control					1					Minor inj
19:30	Lokanthali	Bkt	MC+MC	HO	Overspeed					2				Both damage	Minor inj
15:10	Koteshwor	Ktm	C+T	RE	Reckless									C damage	No inj
18:40	Munibhairab	Ktm	C+D	Strike	Reckless									C damage	No inj
19:25	Srijana Nagar	Bkt	C+MC	RE	Overspeed					1				C damage	Minor inj
11:30	Koteshwor	Ktm	T+Te	HO	Overspeed									Both damage	No inj
20:50	Suryabinayak	Bkt	MC+MC	HO	Overspeed					1					Minor inj
7:00	Chardobato	Bkt	MC+C	FE	Overspeed						1			C damage	Minor inj
15:00	Srijana Nagar	Bkt	MC+MC+S	RE	Reckless					1				All damage	Minor inj
18:10	Munibhairab	Ktm	C+B	Collision	Traffic signal					2				Both damage	Minor inj
5:00	Suryabinayak	Bkt	MC+P	HITPED	Reckless					1					Minor inj
15:00	Radhe Radhe	Bkt	MC+P+C	HITPED+RE	Reckless					1					Minor inj
15:00	Suryabinayak	Bkt	MC+V	HO	Reckless					1				Both damage	Minor inj
19:00	Chundevi	Bkt	MC+P	HITPED	Reckless					1					Minor inj
12:00	Gathaghar	Bkt	C+Tri	RE	Reckless									Both damage	No inj
18:00	Manahara	Bkt	J+MC	RE	Reckless						1			MC damage	Minor inj
15:00	Naya Thimi	Bkt	MC+P	HITPED	Reckless					1					Minor inj
14:00	Lokanthali	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
19:00	Dhalate	Bkt	S+P	HITPED	Reckless					1	1			Both damage	No inj
12:00	Koteshwor	Ktm	B+B	RE	Reckless									Both damage	No inj
14:35	Koteshwor	Ktm	C+T		Reckless					2				Both damage	Minor inj
16:00	Munibhairab	Ktm	MC+MC	HO	Reckless					2				Both damage	Minor inj
4:30	Srijana Nagar	Bkt	MC+MT	RE	Reckless									MC damage	No inj
12:05	Chardobato	Bkt	MC+MC	FE	Overspeed					1				MC damage	

10:00	Lokanthali	Bkt	B+MC	RE	Reckless					1					Minor inj
9:30	Munibhairab	Ktm	T+MC	RE	Traffic signal					2				MC damage	Minor inj
12:00	Naya Thimi	Bkt	Mr+MC	HO	Overspeed					1	1				Minor inj
16:45	S.S College	Bkt	MC+C	HO	Overspeed					1					Minor inj
13:00	Jadibuti	Ktm	B+B	HO	Overspeed									Both damage	No inj
15:35	S.S College	Bkt	MC+C	RE	Overspeed										Fatal
16:20	Chardobato	Bkt	C+MC	SS	Overtake					1				Both damage	Minor inj
22:05	Jadibuti	Ktm	TX+T	RE	Overspeed									Both damage	No inj
14:15	Armygate	Ktm	MC+CY	RE	Reckless									CY damage	No inj
17:45	Chardobato	Bkt	MC+MC	HO	Overspeed					3				Both damage	Minor inj
23:15	Munibhairab	Ktm	MC+MC	HO	Reckless					2				Both damage	Minor inj
15:52:00	Munibhairab	Ktm	C	SS	Out of control					1				C damage	Minor inj
10:00	Chardobato	Bkt	MC+B	RE	Overtake					1				MC damage	Minor inj
12:20	Koteshwor	Ktm	MC+C	RE	Reckless					1				MC damage	Minor inj
14:20	Koteshwor	Ktm	C+Board	SS	Others					2				C damage	Minor inj
14:30	Chardobato	Bkt	MC+TX+C	RE	Others									C+TX damage	No inj
19:00	Chardobato	Bkt	B+CY	Collision	Out of control					1				CY damage	Minor inj
16:30	Chardobato	Bkt	J+P	HITPED	Reckless					1					Minor inj
12:30	Suryabinayak	Bkt	TX+P	HITPED	Overspeed										Fatal
8:30	Sallaghari	Bkt	MC+MC	HO	Overspeed			1							Major inj
11:15	Gathaghar	Bkt	MC+Po	Strike	Overspeed					2				MC damage	Minor inj
17:00	Suryabinayak	Bkt	B+MC	SS	Mechanical					1					Minor inj
13:00	Lokanthali	Bkt	MC+C	RE	Overspeed									C damage	No inj
15:45	S.S College	Bkt	B+J	RE	Reckless					1					Minor inj
7:45	Munibhairab	Ktm	MC+J	HO	Reckless					1				Both damage	Minor inj

11:20	Kausaltar	Bkt	MC+T	HO	Overtake					2					Minor inj
22:30	Kausaltar	Bkt	MC+Po	Strike	Overspeed					1					Minor inj
13:00	Sallaghari	Bkt	S+MC	RE	Reckless						1			Both damage	Minor inj
7:45	Srijana Nagar	Bkt	V+MC	RE	Reckless					1				Both damage	Minor inj
8:45	Chardobato	Bkt	MC+D	Strike	Overspeed										No inj
10:45	Munibhairab	Ktm	C+P	HITPED	Traffic signal					1					Minor inj
15:00	Chundevi	Bkt	MC+P	HITPED	Reckless					1					Minor inj
19:10	Jadibuti	Ktm	C+J	RE	Overspeed									C damage	No inj
23:30	Koteshwor	Ktm	TX+C	Collision	Ma.Pa.Se									C damage	No inj
7:30	Dhalate	Bkt	S+MC	Collision	Ma.Pa.Se						1				Minor inj
7:30	Munibhairab	Ktm	MC+Amb	HO	Reckless					1				Both damage	Minor inj
21:15	Koteshwor	Ktm	TX+P	HITPED	Reckless			1						TX damage	Major inj
19:30	Gathaghar	Bkt	B+T	HO	Reckless										No inj
16:30	Naya Thimi	Bkt	T	SS	Ma.Pa.Se										No inj
5:40	Armygate	Ktm	TX+TX	HO	Reckless					1	1			Both damage	Minor inj
12:15	Sallaghari	Bkt	B+S	RE	Reckless						1			S damage	Minor inj
13:15	S.S College	Bkt	MC+P	HITPED	Reckless					1					Minor inj
20:00	Chardobato	Bkt	B+C	HO	Reckless										No inj
13:00	Sallaghari	Bkt	C+C	Collision	Reckless									Both damage	No inj
19:50	Jadibuti	Ktm	TX+MC	HO	Reckless					1				Both damage	No inj
8:00	Suryabinayak	Bkt	MC+L	Collision	Reckless							1			
14:35	Koteshwor	Ktm	MC+C	RE	Reckless									Both damage	No inj
17:30	Koteshwor	Ktm	C+B	RE	Traffic signal									Both damage	No inj
17:45	Gathaghar	Bkt	V	Strike	Mechanical					1				V damage	Minor inj
19:00	Suryabinayak	Bkt	J+D	Strike	Overspeed									J damage	No inj

19:30	Jadibuti	Ktm	T+C	RE	Overtake									C damage	No inj
16:00	Chardobato	Bkt	B+P	HITPED	Reckless				1						Minor inj
8:40	Dhalate	Bkt	S+T	HO	Overspeed					1					Minor inj
4:00	Gathaghar	Bkt	B+C	RE	Reckless				2					Both damage	Minor inj
6:35	Naya Thimi	Bkt	C+MC	Collision	Ma.Pa.Se									Both damage	No inj
11:30	Sallaghari	Bkt	C+R	Strike	Out of control									Both damage	No inj
16:00	Tinkune	Ktm	MC+B	RE	Reckless									Both damage	No inj
16:45	Lokanthali	Bkt	B+MC	RE	Reckless				1					Both damage	Minor inj
16:00	Chardobato	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
18:00	Naya Thimi	Bkt	MC+D	Strike	Overspeed				1						Minor inj
20:00	Gathaghar	Bkt	MC	SS	Out of control				2					MC damage	Minor inj
20:05	Koteshwor	Ktm	MC+D	Strike	Ma.Pa.Se			2						MC damage	Major inj
12:00	Naya Thimi	Bkt	MC+S	HO	Reckless				1						Minor inj
13:25	Munibhairab	Ktm	C+MC	RE	Traffic signal									Both damage	No inj
15:30	Lokanthali	Bkt	MC+P	HITPED	Reckless					1					Minor inj
18:05	Munibhairab	Ktm	MC+MC	RE	Traffic signal			1						Both damage	Major inj
13:05	Munibhairab	Ktm	B+P	HITPED	Traffic signal				1					B damage	Minor inj
12:00	Gathaghar	Bkt	MC+MC	RE	Overspeed				1						Minor inj
16:15	Kausaltar	Bkt	J+MC	HO	Overspeed				1					MC damage	Minor inj
18:00	Suryabinayak	Bkt	S+P	HITPED	Reckless						1				Minor inj
18:45	Jadibuti	Ktm	C+B	RE	Overspeed									C damage	No inj
19:35	Koteshwor	Ktm	C+B	RE	Mechanical									C damage	No inj
20:05	Munibhairab	Ktm	T+MC	RE	Traffic signal			1						MC damage	Minor inj
19:10	Koteshwor	Ktm	C+Te	HO	Reckless									Both damage	No inj
10:30	Sallaghari	Bkt	Tri+C	Collision	Overspeed									C damage	No inj
6:00	Munibhairab	Ktm	C+B	RE	Traffic signal									Both damage	No inj

10:30	Gathaghar	Bkt	MC+S	FE	Reckless					1				Both damage	Minor inj
11:35	Naya Thimi	Bkt	Tri+S	Collision	Overspeed									S damage	No inj
18:30	Jadibuti	Ktm	MC+S	RE	Reckless					1				Both damage	Minor inj
18:30	Srijana Nagar	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
19:00	Naya Thimi	Bkt	MC+B	Collision	Reckless					1					Minor inj
13:00	S.S College	Bkt	MC+MC	HO	Others					1					Minor inj
15:30	Lokanthali	Bkt	MC+MC	Collision	Reckless					1					Minor inj
10:30	S.S College	Bkt	MC+P	HITPED	Overspeed					1					Minor inj
6:30	Sallaghari	Bkt	S+C	Collision	Reckless						1				Minor inj
6:30	Jadibuti	Ktm	MC+B	HO	Overtake									MC damage	No inj
10:30	Koteshwor	Ktm	MC+MC	HO	Reckless									Both damage	No inj
6:30	Sallaghari	Bkt	S+C	Collision	Reckless						1				Minor inj
12:40	Tinkune	Ktm	V+MC	RE	Reckless									Both damage	No inj
17:00	Srijana Nagar	Bkt	MC+P	HITPED	Reckless					1					Minor inj
21:45	Munibhairab	Ktm	MC+B	RE	Reckless									Both damage	No inj
9:30	Naya Thimi	Bkt	MC+S	Collision	Overspeed									S damage	No inj
6:55	S.S College	Bkt	MC+D	Strike	Overspeed										Fatal
19:12	Manahara	Bkt	C+MC	HO	Reckless									Both damage	No inj
14:30	Lokanthali	Bkt	C+B	RE	Reckless									Both damage	No inj
14:30	Jadibuti	Ktm	C+T	RE	Overtake									Both damage	No inj
12:50	Manahara	Bkt	MC+MC	RE	Overspeed									Both damage	No inj
9:30	Suryabinayak	Bkt	MT+C	Collision	Reckless									Both damage	
16:00	Munibhairab	Ktm	B+B	HO	Reckless									Both damage	No inj
13:00	Jadibuti	Ktm	C+J	RE	Overspeed									Both damage	No inj
18:00	Lokanthali	Bkt	MC+Mr	RE	Overspeed										No inj

8:15	Koteshwor	Ktm	B+B	HO	Reckless									Both damage	No inj
2:00	Jadibuti	Ktm	V+C	RE	Reckless									Both damage	No inj
5:00	Kausaltar	Bkt	MC+CY	RE	Overspeed					2					Minor inj
10:00	Srijana Nagar	Bkt	C+P	HITPED	Reckless					1					Minor inj
15:00	Gathaghar	Bkt	MC+J	RE	Reckless					1					Minor inj
14:00	Gathaghar	Bkt	MC+T	HO	Overspeed					1					Minor inj
10:40	Pandubazar	Bkt	MC+CY	Collision	Overspeed					1				CY damage	Minor inj
13:00	Dhalate	Bkt	MC+MC	FE	Overspeed									Both damage	No inj
14:30	Manahara	Bkt	T+C	Collision	Reckless									C damage	No inj
14:50	Sallaghari	Bkt	MC+MC	Collision	Reckless									MC damage	No inj
7:55	Manahara	Bkt	B+C	HO	Overspeed										No inj
14:00	Jadibuti	Ktm	B+MC	RE	Overspeed			1						MC damage	Major inj
11:20	Srijana Nagar	Bkt	MC+S	Collision	Reckless									Both damage	No inj
10:30	Chundevi	Bkt	J+R	Strike	Out of control					1				Both damage	No inj
13:35	Suryabinayak	Bkt	MC+P	HITPED	Reckless										Minor inj
15:30	Koteshwor	Ktm	C+MC	HO	Reckless					1				Both damage	Minor inj
19:45	Koteshwor	Ktm	C+Te	RE	Traffic signal									C damage	No inj
17:00	Koteshwor	Ktm	T+C	RE	Reckless									C damage	No inj
10:30	Jadibuti	Ktm	T+S	RE	Overtake									S damage	No inj